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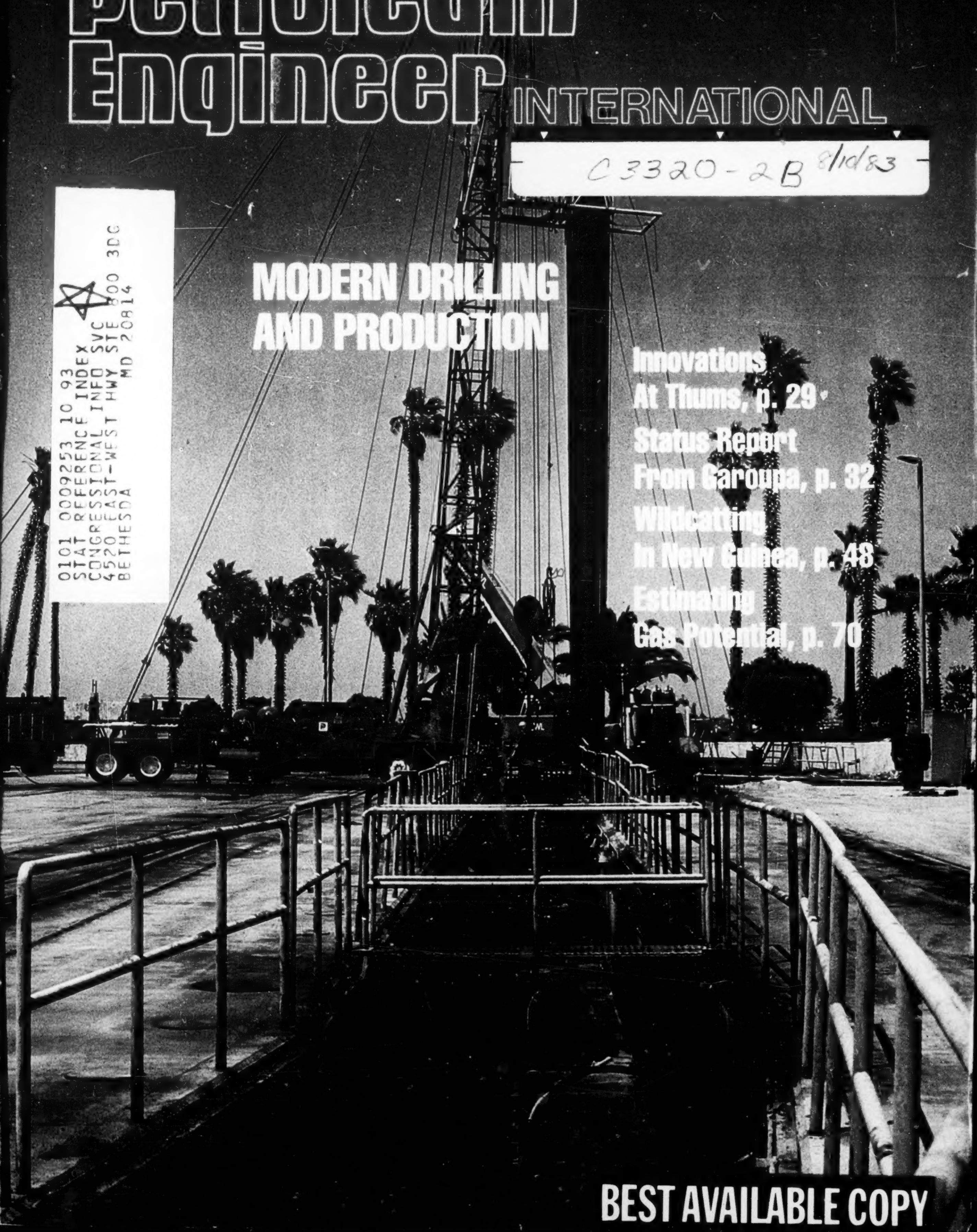

MODERN DRILLING AND PRODUCTION

Innovations At Thums, p. 29

Status Report From Garoupa, p. 32

Wildcatting In New Guinea, p. 48

Estimating Gas Potential, p. 70

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The international magazine
of methods for engineering/
operating people

AUGUST 1983 NUMBER 10 VOLUME 55

ABOUT THE COVER: A well servicing rig is shown at work on one of the four THUMS Islands offshore Long Beach, Calif. (Photo courtesy of Pool Co.)

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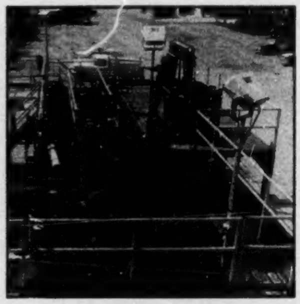
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48 Niugini Gulf Tackles New Guinea Wildcat

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Engineering Profits into Energy Operations

Drilling Slump Leveling Off In U.S. And Canada

The U.S. rotary rig count hovered just over the 2,000 mark during the first two weeks of July after having endured 14 straight weeks under 2,000. The low point was 1,807, reached on April 18.

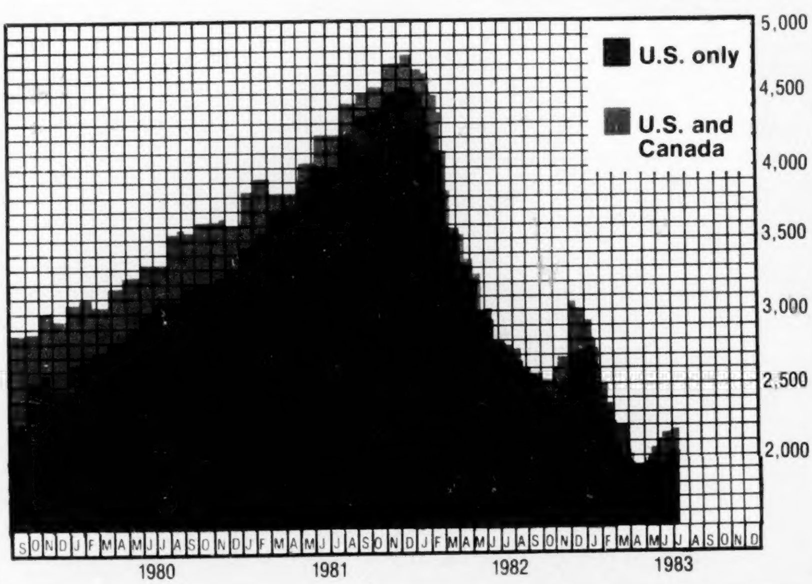
The average count for the first half of 1983 was 2,108, some 177 rigs below the 2,285 average being predicted by Hughes Tool Co. for the year as a whole. But, U.S. drilling traditionally climbs during the last half of the year, so the Hughes prediction looks pretty good right now.

Canada's half-year average count was 170, which is 10 rigs below the Hughes forecast for 1983. Chances are that Canadian drillers can come up to the forecast, but drilling activity there usually is highest in the first few months of each year. Nevertheless, Canadian drillers have rebounded strongly from 7-year low of 43 active rigs they reached on May 9.

Rotary rigs actually making hole in United States & Canada

As Reported To International Association Of Drilling Contractors By Hughes Tool Co.

	June 20, 1983	June 27, 1983	July 5, 1983	July 11, 1983
Alabama				
Land	9	11	8	8
Inland Waters	3	3	3	3
Offshore	1	1	1	1
Alaska				
Land	8	8	8	8
Offshore	5	4	4	4
Total	13	12	12	12
Arkansas	26	25	28	29
California				
Land	76	78	84	91
Offshore	25	24	24	24
Total	101	102	108	115
Colorado	55	53	55	57
Florida				
Land	4	4	6	6
Offshore	1	1	0	0
Total	5	5	6	6
Hawaii	1	1	1	1
Illinois	83	79	74	68
Indiana	7	7	6	3
Kansas	116	119	113	114
Kentucky	11	13	10	10
North Louisiana	19	19	27	25
South Louisiana				
Inland Waters	36	36	37	39
Land	69	68	71	72
Offshore	116	111	109	109
Total	240	234	244	245
Michigan	24	26	30	29
Mississippi	29	31	30	27
Montana	25	22	22	20
Nebraska	8	8	10	7
New Mexico	61	55	54	51
New York	12	13	10	10
North Carolina	1	1	1	1
North Dakota	47	52	54	50
Ohio	21	27	27	37
Oklahoma	257	256	266	262
Pennsylvania	16	20	18	17
South Dakota	1	1	1	0
Texas				
Offshore	51	50	45	46
Inland Waters	8	6	7	7
Dist. 1-S. Central Tex.	19	16	19	18
Dist. 2-Middle Tex. Coast	31	26	28	23
Dist. 3-Upper Tex. Coast	78	83	89	83
Dist. 4-Lower Tex. Coast	72	65	64	69
Dist. 5-Northeast Tex.	18	18	18	17
Dist. 6-Far Northeast Tex.	70	64	67	74
Dist. 7B-N. Central Tex.	55	56	56	55
Dist. 7C-W. Central Tex.	36	40	46	44
Dist. 8-Far West Tex.	83	82	81	80
Dist. 8A-West Tex.	58	57	55	50
Dist. 9-North Tex.	67	69	67	68
Dist. 10-Tex. Panhandle	41	37	37	40
Total	687	669	679	674
Utah	31	32	29	29
Virginia	0	1	1	1
Washington	1	1	1	2
West Virginia	34	38	39	37
Wyoming	63	64	77	90
Total U.S.	1,989	1,981	2,018	2,016
Canada	173	187	156	148
Canada-Offshore	9	9	9	10
U.S. and Canada	2,171	2,177	2,183	2,174



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International Rig Count Drops 14% In Year

The international rotary rig count declined by more than 200 rigs during the year between May 1982 and May 1983. That is a 14% drop in which all regions of the world, except the Middle East, participated.

The Middle East, in contrast, registered a 9% increase during that period. The big losers were Europe and the South Pacific, each off 27%. Africa was down by 25% and Latin American rotary rig activity evidenced a 16% decline. The Far East came close to holding its own, with a decline of 4%.

Offshore drilling also experienced a 14% drop during the year, and even the Middle East was unable to avoid the trend. Only the South Pacific, which went from nine offshore rigs to 12 (despite a decline of 10 rigs overall), could show any improvement offshore.

International Rotary Rig Report, prepared by Hughes Tool Co.

(Figures in parentheses indicate how many of each country's rigs are offshore rigs.)

	May 1982	April 1983	May 1983
Africa			
Algeria	78	70	60
Angola	8 (6)	14 (11)	12 (10)
Benin	0	1 (1)	1 (1)
Cameroun	6 (6)	5 (5)	5 (5)
Chad	1	0	0
Gabon	12 (8)	6 (5)	8 (8)
Ivory Coast	6 (6)	2 (2)	2 (2)
Libya	33 (2)	23 (2)	19 (1)
Morocco	6 (1)	8	8
Niger	5	0	0
Nigeria	27 (9)	18 (11)	18 (7)
Rep. of Congo	8 (5)	5 (5)	5 (5)
Rep. of Zaire	3 (1)	1	1
South Africa	2 (2)	2 (2)	2 (2)
Sudan	2	5 (1)	5 (1)
Tanzania	0	0	1
Tunisia	11 (3)	7	7
	208 (49)	167 (45)	154 (42)
Europe			
Austria	9	10	11
Denmark	2 (2)	5 (4)	5 (4)
France	30 (2)	15 (1)	15 (1)
Germany	30	27	24
Greece	6 (3)	3 (1)	3 (1)
Holland	18 (9)	16 (11)	16 (10)
Ireland	0	0	3 (3)
Italy	43 (7)	27 (9)	27 (9)
Norway	14 (14)	10 (10)	9 (9)
Portugal	1	1	1
Spain	14 (7)	6 (3)	6 (3)
Switzerland	1	1	0
United Kingdom	57 (55)	36 (36)	34 (32)
Yugoslavia	22	25	25
	247 (99)	182 (75)	179 (72)
Far East			
Bangladesh	3	2	2
Brunei	11 (8)	11 (8)	11 (8)
Burma	31	41 (1)	41 (1)
India	47 (7)	55 (13)	56 (14)
Indonesia	98 (37)	86 (24)	86 (24)
Japan	24 (6)	18 (2)	18 (2)
Malaysia	13 (13)	8 (8)	8 (8)
Pakistan	18	17	17
Philippines	14 (2)	8	8
Taiwan	4	0	0
Thailand	8 (5)	13 (7)	13 (7)
	271 (78)	259 (63)	260 (64)
Latin America			
Argentina	67	70 (1)	78
Barbados	1	1	1
Bolivia	13	7	7
Brazil	93 (29)	90 (33)	83 (27)
Chile	7 (3)	6 (3)	6 (3)
Colombia	26	18	17
Costa Rica	0	1	1
Ecuador	6 (1)	5	5
Guatemala	6	1	1
Mexico	211 (20)	189 (24)	189 (27)
Paraguay	1	0	0
Peru	26 (6)	14 (6)	15 (6)
Trinidad	13 (6)	12 (5)	11 (4)
Venezuela	68 (17)	40 (10)	37 (8)
	538 (82)	455 (82)	451 (75)
Middle East			
Abu Dhabi	38 (22)	40 (27)	39 (26)
Bahrain	1	1	1
Dubai	3 (2)	5 (3)	4 (4)
Egypt	36 (23)	38 (22)	38 (22)
Iran	0	2	7 (1)
Iraq	5	22	25
Jordan	0	3	3
Kuwait	5	5	6
Oman	13 (1)	10	10
Qatar	6 (3)	3 (3)	5 (3)
Ras Al Khaimah	2 (1)	1	0
Saudi Arabia	32 (19)	21 (7)	25 (11)
Sharjah	2	1	1
Syria	15	14	14
Turkey	26	23	23
Umm Al Qaiwain	1	1	1
	185 (71)	190 (62)	202 (67)
South Pacific			
Australia	35 (9)	22 (11)	24 (11)
New Zealand	1	2	2
Papua New Guinea	1	2 (1)	1 (1)
	37 (9)	26 (12)	27 (12)
Totals	1,486 (388)	1,279 (339)	1,273 (332)

Demonstration Plant To Upgrade Heavy Oil

A plant designed to demonstrate that tar sands and heavy oil can be upgraded into fuel gas, naptha, and middle distillates, which then can be processed into gasoline and distillate fuels via conventional refining technology, is expected to be constructed during the third quarter of 1983.

To be built in Pittsburgh, Calif., the plant will employ the Dynacracking process technology. It will be operated by the California Synfuels Research Corp. for a group that also includes Tenneco Oil Exploration and Production (40%), the Alberta Oil Sands Technology and Research Authority (20%), The Parsons Corp. (21%), and Dynalectron Corp. (14%).

Estimates are that as much as $71 million could be devoted to the project.

The U.S. Synthetic Fuels Corp. is to guarantee debt financing of up to $46.5 million, with equity financing of the remainder to come from the joint venture partners.

New York Group Backs Fire Fighters

The Independent Oil and Gas Association of New York has presented $38,000 to fire coordinators of Cattaraugus, Chautauqua, and Erie counties. The money is to be used for the purchase of fire fighting equipment and supplies that are to be available for use in the event of a well fire in the three-county area.

Contributors to the fund include oil and gas producers, drilling contractors, and service companies involved in drilling within the Bass Islands trend, where well fires have occurred in the past. The formation extends through portions of all three counties.

U.S. Finding Costs Fell In 1982

The cost to the oil industry for each new barrel of oil and equivalent natural gas discovered in 1982 was $11.78, according to John S. Herold Inc. of Greenwich, Conn. This was 3.3% less than the $12.18 cost to find a barrel of new reserve in 1981.

The finding cost of new oil outside the U.S. was $7.99 per barrel in 1982. This was substantially lower than in the U.S., but it still was 10.7% greater than the 1981 cost of $7.22 per barrel.

The weighted average cost for 1978 through 1982 was $10.75 per barrel in the U.S., $6.25 per barrel in foreign areas, and $8.89 per barrel worldwide.

Utah Resources Map Is Available Again

The Energy Resources Map of Utah, long out of print, now is available in a completely revised and updated edition. The 1:500,000-scale map shows locations of Utah's coal, oil, and gas fields, uranium, tar sand, and oil shale deposits, and geothermal areas.

Also shown are electric power plants, power transmission lines, and oil and gas pipelines. The 39 by 54-in., full-color map is available for $9 from the Utah Geologic and Mineral Survey, 606 Black Hawk Way, Salt Lake City, Utah 84108-1280. Ask for Map 68.

Mozambique Signs Exploration Agreement

The People's Republic of Mozambique has announced the signing of an exploration and production contract between Empresa Nacional de Hidrocarbonetos

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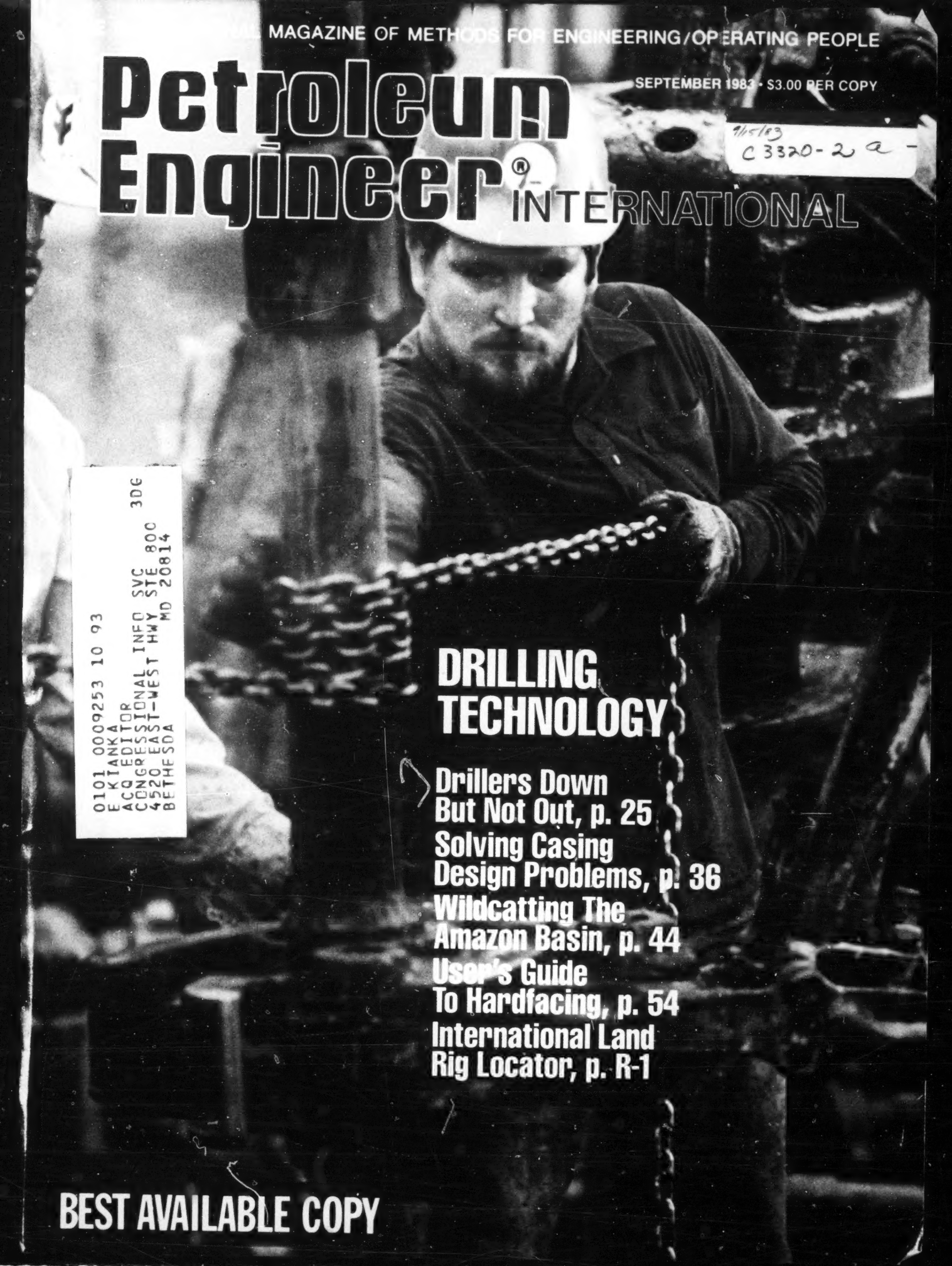

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DRILLING TECHNOLOGY

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Wildcatting The Amazon Basin, p. 44

User's Guide To Hardfacing, p. 54

International Land Rig Locator, p. R-1

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ABOUT THE COVER: Drilling offshore Louisiana in Vermilion Block 48 in the Gulf of Mexico. (Photo courtesy of Diamond Shamrock Corp. and Michael Haynes Photography.)

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by Rich McNally, Associate Editor. There is a tendency to regard the current drilling slump as the worst ever, but it should be remembered that it follows the greatest increase in the history of U.S. rig activity.

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by John Wilson, Gulf Coast Editor. Targeted depth is approximately 7,700 ft below mudline, and drilling should take 120 days. Estimations are that a commercial find could be on production in 9 to 14 years.

36 **Calculator Solves Casing Problem**
by R. G. Munro and Carol Milo, Canterra Energy Ltd. The program is excellent for field applications where the casing string design must be modified for an increase in drilling fluid density.

44 **How Pecten Brazil Drilled The Amazon Basin**
by W. B. Bleakley, Editor. Because the load-bearing capability of roads in the area was unknown, it was decided to move equipment close to the well sites by barge. Actual transport to the sites was by helicopter.

54 **A User's Guide To Drill String Hardfacing**
by J. Steve Williamson and Jim B. Bolton, Sii Drilco. Over the life of a 10,000-ft string, hardfacing and rebuilding costs can be as much as $200,000, or 60% of what a new string would cost.

68 **Mobil Completes Subsea Production System Designs**
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74 **Toolpusher Is Key To Efficient Rig Operations**
by Kent Fortney, Lorber and Associates. Today's toolpusher must realize that he is responsible not only for the rig, its maintenance, and its drilling performance, but for training of its personnel as well.

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NEXT MONTH: Frontier drilling areas offshore Europe will share the spotlight in October with the venerable North Sea.

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96 **New System Monitors Rock Bit Performance**
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R-1 **International Land Rig Locator**
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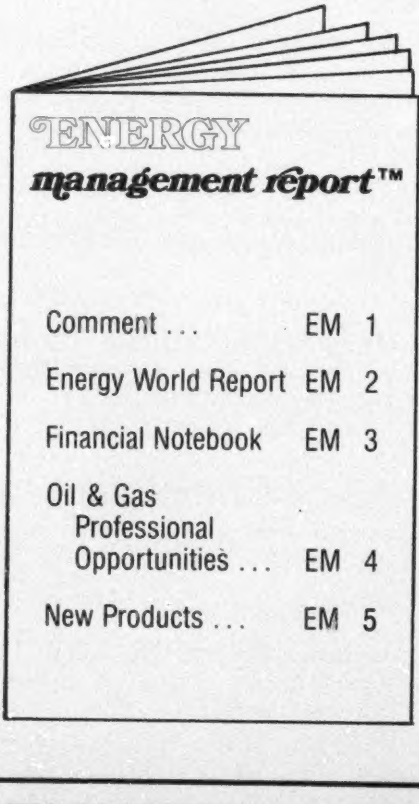

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Engineering Profits into Energy Operations

U.S. Count Registers 100-Rig Increase

The U.S. rig count picked up almost 100 additional active rotaries during the period of this report, and the combined U.S. and Canadian increase was more than 120. All of the major drilling states took part in the increase — except California and Kansas, which were down only slightly going into mid-August.

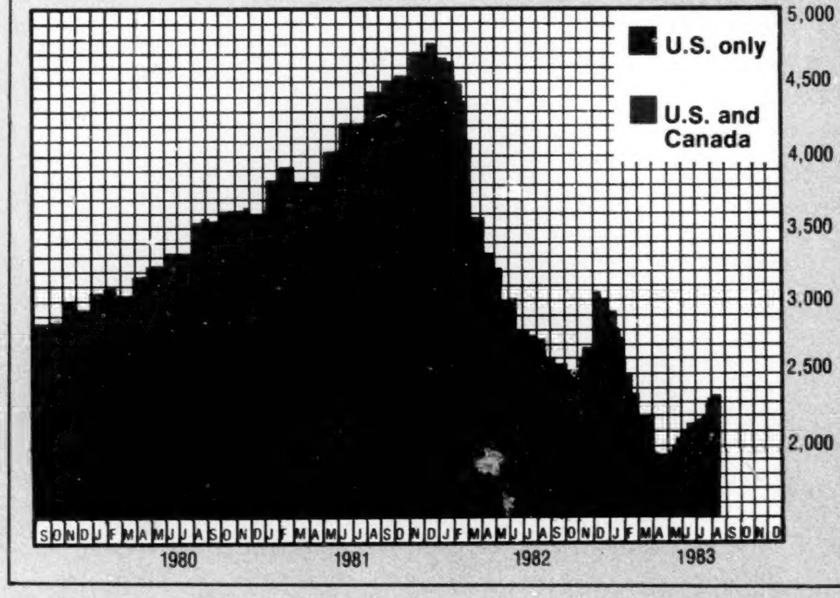
On a year-long basis, the average rig count for 1983 stood at 2,100.8 on August 8. That represents a decline of only one rig from the 2,101.8 average registered a month earlier, and is a clear indication that the precipitous decline in drilling is bottoming out at last.

Canadian drillers also are seeing more action these days, with more than 200 rigs active for the first time since last March 21. Thirteen of the Canadian rigs are operating offshore, where interest is high on the Scotian Shelf and off Newfoundland and Labrador.

Rotary rigs actually making hole in United States & Canada

As Reported To International Association Of Drilling Contractors By Hughes Tool Co.

	July 18, 1983	July 25, 1983	Aug. 1, 1983	Aug. 8, 1983
Alabama				
Land	7	11	13	13
Inland Waters	3	3	3	3
Offshore	1	1	1	1
Alaska				
Land	10	10	10	9
Offshore	5	5	5	5
Total	15	15	15	14
Arkansas	30	25	25	26
California				
Land	92	94	92	88
Offshore	23	23	24	24
Total	115	117	116	112
Colorado	49	54	58	51
Florida				
Land	5	4	4	5
Inland Waters	0	0	1	1
Total	5	4	5	6
Hawaii	1	1	1	1
Illinois	76	81	85	79
Indiana	5	7	7	5
Kansas	124	128	125	122
Kentucky	11	9	8	11
North Louisiana	26	29	31	33
South Louisiana				
Inland Waters	44	46	52	49
Land	71	68	71	78
Offshore	103	96	99	104
Total	244	239	253	264
Michigan	28	30	33	33
Mississippi	30	32	33	33
Montana	14	14	17	19
Nebraska	11	12	7	10
Nevada	1	1	1	1
New Mexico	43	41	49	40
New York	8	9	11	10
North Carolina	1	1	1	0
North Dakota	41	38	44	37
Ohio	36	40	40	43
Oklahoma	266	279	272	281
Pennsylvania	18	17	26	26
South Dakota	1	2	2	2
Texas				
Offshore	45	44	43	43
Inland Waters	6	6	8	7
Dist. 1-S. Central Tex.	15	18	14	11
Dist. 2-Middle Tex. Coast	32	22	23	22
Dist. 3-Upper Tex. Coast	87	87	84	95
Dist. 4-Lower Tex. Coast	67	74	78	68
Dist. 5-Northeast Tex.	24	25	25	28
Dist. 6-Far Northeast Tex.	72	71	74	74
Dist. 7B-N. Central Tex.	53	49	47	45
Dist. 7C-W. Central Tex.	49	48	49	50
Dist. 8-Far West Tex.	83	85	96	99
Dist. 8A-West Tex.	50	52	50	52
Dist. 9-North Tex.	75	77	74	79
Dist. 10-Tex. Panhandle	40	38	36	43
Total	698	696	696	716
Utah	27	29	30	37
Virginia	1	1	1	0
Washington	2	2	2	2
West Virginia	38	43	40	39
Wyoming	93	96	94	103
Total U.S.	2,043	2,078	2,114	2,140
Canada	191	197	196	210
Canada-Offshore	7	6	11	13
U.S. and Canada	2,241	2,281	2,323	2,363



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which was discovered in 1979 and has recoverable reserves estimated at 1.85 billion bbl.

If all goes as planned, there could be as many as 16 rigs operating off Canada's east coast this month, including five drillships in the Iceberg Alley area off Labrador.

Offshore northwestern Canada, in the Beaufort Sea-Mackenzie Delta area, Gulf Canada Ltd. seems determined to go ahead with its Beaufort Sea Drilling System, which includes two new-technology drilling rigs. One, the Mobile Arctic Caisson, is designed for use in the shallower waters and the other, the Conical Drilling Unit, is for use in deeper waters.

The caisson, which will go into service next year, is designed to be floated into position and lowered onto low berms on the ocean floor. It will then be filled with dredged material to keep it in place against ice movements.

The conical unit, named Kulluk (the Eskimo word for thunder), was launched earlier this year. Towed to each drilling location, it is held in position at each site by 12 anchor cables.

The Asia-Pacific area shows few signs of slowing down so far in 1983, and indications are that activity will actually increase later this year. Rig usage in the Far East is down only about 4% during the past 12 months, and increased wildcatting reported in the area by the energy advisors Gaffney, Cline & Associates earlier this year means that development activity can be expected to increase also.

Activity offshore China had been expected to be going great guns by now, but, aside from a deal with BP Petroleum Development Ltd. covering five contract areas in the South China Sea and the South Yellow Sea, the Chinese have had more trouble leasing tracts than had been expected. Most of the blame goes to the so-called worldwide oil glut, which is making it possible for oil companies to look before they leap into contracts that may be overly weighted in favor of the host nation.

In what may be a ploy to whet the industry's appetite, therefore, the official Chinese news agency recently announced what it calls a major breakthrough on the East China Sea's continental shelf. The Xinhua agency says that a 15,259-ft well located some 260 miles south of Shanghai is the area's first commercial producer of oil and gas. The agency said that the well is also the deepest of its kind in China.

But, China is not alone in feeling the effects of soft oil demand. Malaysia reportedly is adding incentives to its production sharing contracts, and Thailand's recent exploration and production agreement with MGF Oil Corp. calls for the government's top share of revenues to be approximately 57% – but only when, and if, production tops 30,000 b/d of oil.

International Rotary Rig Report, compiled by Hughes Tool Co.

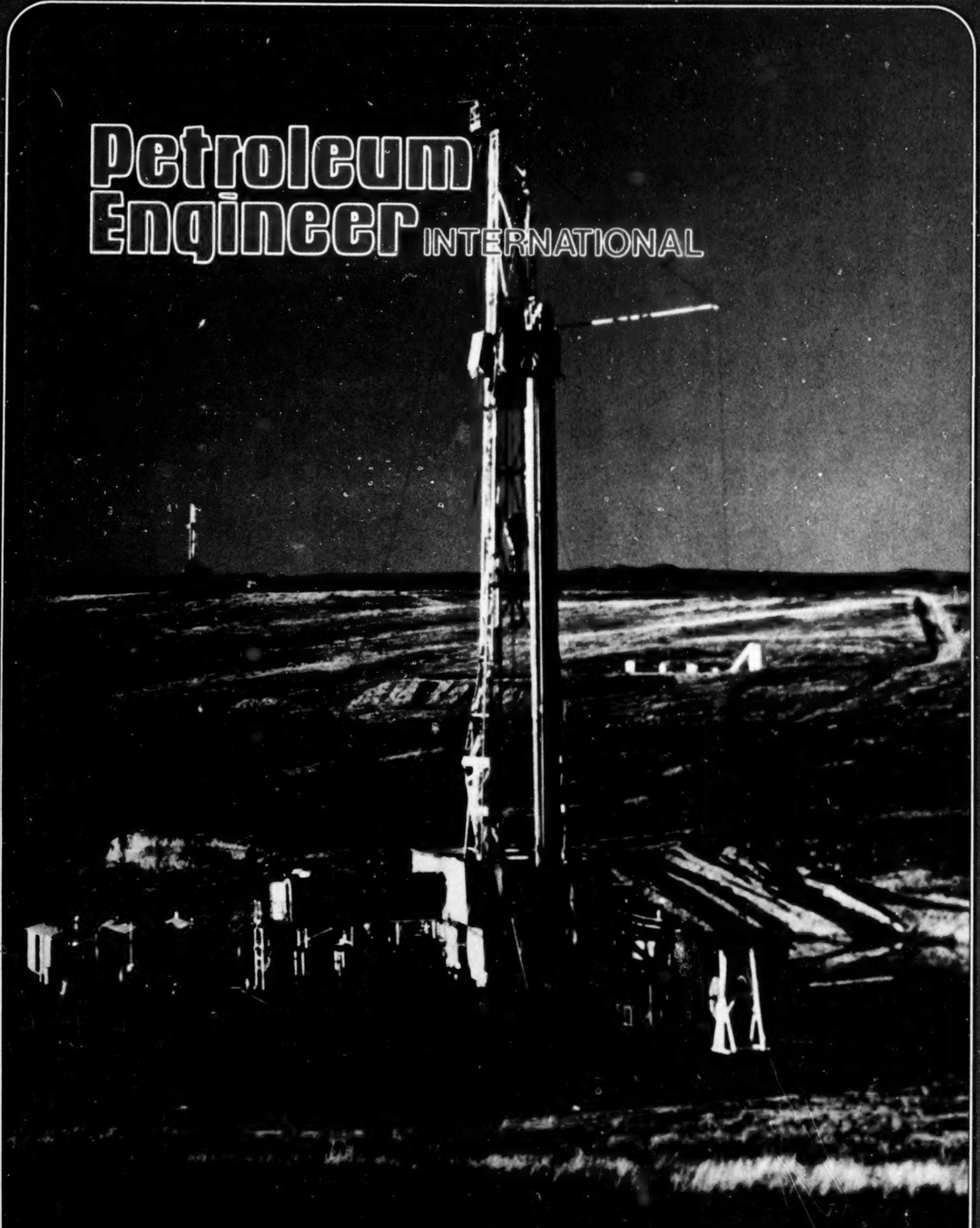
(Figures in parentheses indicate how many of each country's rigs are offshore rigs.)

	June 1982	May 1983	June 1983
Africa			
Algeria	78	60	50
Angola	13(10)	12(10)	12(10)
Benin	1(1)	1(1)	1(1)
Cameroun	7(6)	5(5)	5(5)
Chad	1	0	0
Gabon	12(10)	8(8)	8(8)
Guinea	1(1)	0	0
Ivory Coast	4(4)	2(2)	2(2)
Libya	33(2)	19(1)	19(1)
Morocco	5(1)	8	8
Niger	1	0	0
Nigeria	30(13)	18(7)	18(7)
Rep. of Congo	7(7)	5(5)	5(5)
Rep. of Zaire	2(1)	1	1
Senegal	1	0	0
Sierra Leone	1(1)	0	0
South Africa	2(2)	2(2)	2(2)
Sudan	2	5(1)	5(1)
Tanzania	0	1	1
Tunisia	11(3)	7	7
	212(62)	154(42)	144(42)
Europe			
Austria	8	11	10
Denmark	2(2)	5(4)	5(4)
France	23	15(1)	15(1)
Germany	30	24	24
Greece	4(2)	3(1)	3(1)
Holland	18(10)	16(10)	16(10)
Ireland	2(2)	3(3)	3(3)
Italy	43(7)	27(9)	27(9)
Norway	13(13)	9(9)	9(9)
Portugal	1	1	1
Spain	12(5)	6(3)	6(3)
Switzerland	1	0	0
United Kingdom	62(59)	34(32)	41(38)
Yugoslavia	25	25	25
	244(100)	179(72)	185(78)
Far East			
Bangladesh	7	2	2
Brunei	8(6)	11(8)	10(7)
Burma	33	41(1)	41(1)
India	50(10)	56(14)	56(14)
Indonesia	95(32)	86(24)	90(23)
Japan	24(6)	18(2)	18(2)
Malaysia	13(13)	8(8)	9(9)
Pakistan	16	17	17
Philippines	15(3)	8	8
Taiwan	5	0	11(1)
Thailand	8(5)	13(7)	15(8)
	274(75)	260(64)	277(65)
Latin America			
Argentina	62(1)	78	75
Barbados	1	1	1
Bolivia	12	7	8
Brazil	92(28)	83(27)	85(32)
Chile	7(3)	6(3)	6(3)
Colombia	21	17	16
Costa Rica	0	1	1
Ecuador	6(1)	5	5
Guatemala	5	1	1
Mexico	194(23)	189(27)	189(27)
Paraguay	1	0	0
Peru	25(6)	15(6)	16(6)
Trinidad	14(6)	11(4)	8(3)
Venezuela	71(18)	37(8)	40(11)
	511(86)	451(75)	451(82)
Middle East			
Abu Dhabi	39(22)	39(26)	39(26)
Bahrain	1	1	1
Dubai	3(2)	4(4)	4(4)
Egypt	39(25)	39(22)	38(22)
Iran	0	7(1)	7(1)
Iraq	5	25	25
Jordan	0	3	3
Kuwait	5	6	6
Oman	12	10	10
Qatar	6(3)	5(3)	5(3)
Ras Al Khaimah	2(1)	0	0
Saudi Arabia	32(15)	25(11)	25(11)
Sharjah	3	1	1
Syria	15	14	14
Turkey	35	23	23
Umm Al Qaiwain	1	1	1
	198(68)	202(67)	202(67)
South Pacific			
Australia	34(8)	24(11)	23(12)
Fiji	1	0	0
New Zealand	1	2	2
Papua New Guinea	0	1(1)	2(1)
	36(8)	27(12)	27(13)
Totals	1,475 (399)	1,273 (332)	1,286 (347)
North America			
Canada	130 (5)	76 (7)	174 (9)
U.S.	2,908 (242)	1,926 (209)	1,974 (201)
TOTALS	**4,513** **(646)**	**3,275** **(548)**	**3,434** **(557)**

FALL 1983 INTERNATIONAL

LAND RIG LOCATOR

Supplement to the September 1983 issue of



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- U.S. & International Contractors
- Contractor Addresses
- Rig Locations Worldwide

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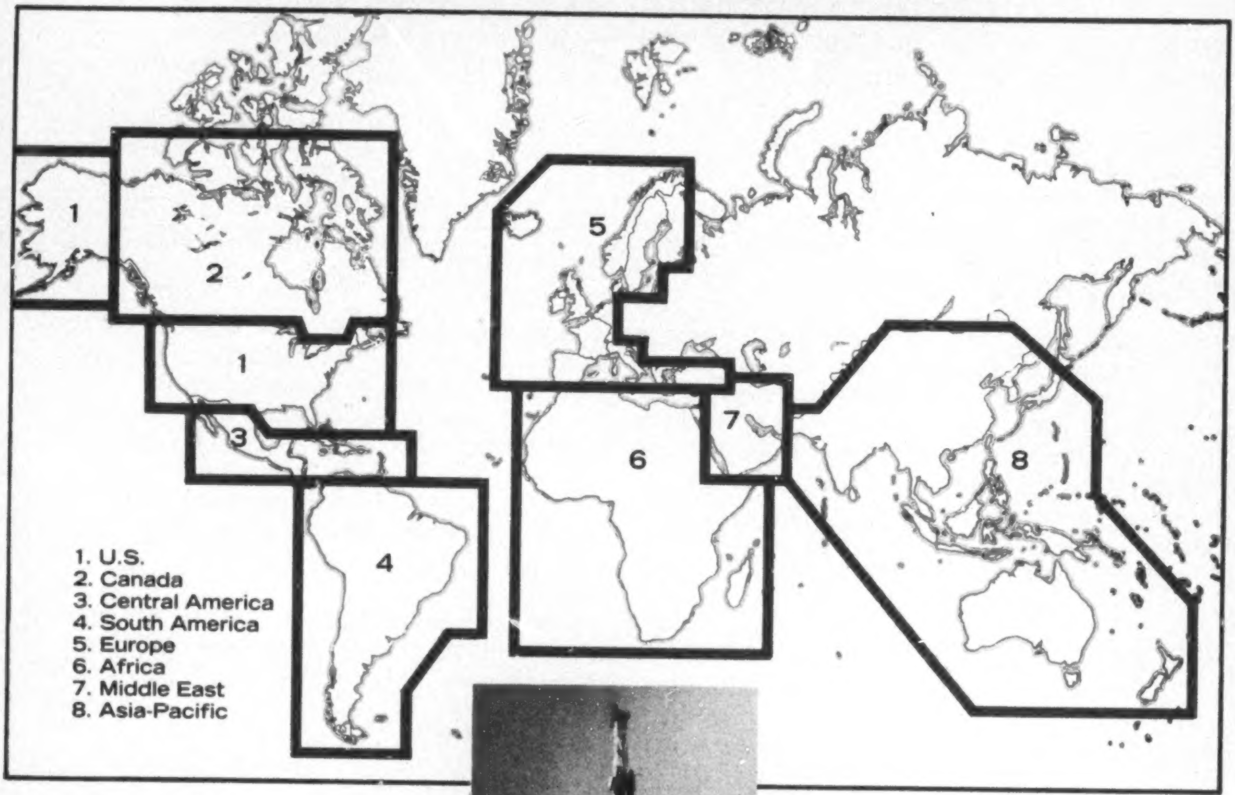

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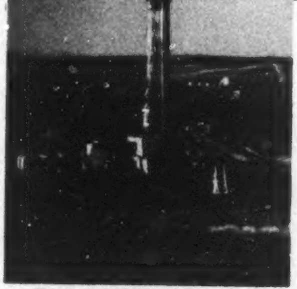

Drilling in West Texas. (Photo courtesy of Diamond Shamrock Corp.)

For over a quarter century, drilling contractors have given this magazine Rig Locator data, providing operators who let drilling contracts with mechanical specifications and locations of contract rotary rigs throughout the world. Since the Rig Locator's 1955 origin, other organizations periodically attempt similar concepts, while others shuffle and republish PEI Rig Locator data. This Rig Locator, detailing 4,721 land rigs, is the most complete presentation of contract drilling rigs ever published.

Drawworks Manufacturers Abbreviations

Bethlehem Supply Co.	Beth
Bucyrus-Erie Co.	B-E
Cabot Corp Machinery Div.	Cbot
Cardwell Mfg. Co.	Crdw
Challenger	Chal
Continental Emsco	C-E
Cooper Mfg. Corp.	Coop
DeMag Mfg. Co.	DeMg
Ellis-Williams	E-W
Ewbank Mfg. Div. Inc.	Ewb
George E. Failing Co.	Fail
Foramines	Fora
Gardner-Denver	G-D
Hacker Machine & Supply Co.	Hack
Haniel & Lueg	H-L
Hooper Machine Works Inc.	Hoop
Houston Systems	HS
Howard-Turner Machine Works	HT
Ideco Inc.	Idco
Ingersoll-Rand Co.	I-R
Joy Mfg. Co.	Joy
Justiss-Mears Oil Co.	J-M
Lee, Harold Engineering	Lee
Mayhew Supply Co Inc.	May
Mid-Continent Supply	MC
National Supply Co.	Nat
OIME	OIME
Oilwell Div. (U.S. Steel)	Olwl
OPI Pump Div.	OPI
Quincy Mfg.	Quin
Salzgitter Maschinen Mfg. Co.	Salt
Skytop/Brewster	S/B
Spencer-Harris Machine & Tool Co.	S-H
Superior	Sup
Tri Service Mfg. Co.	TSM
Wagner-Morehouse Inc.	W-M
Walker-Neer Mfg. Co. Inc.	W-N
Weiss Corp.	Weis
Wheland Co.	Whln
Wichtex Machinery Co. Inc.	Wich
Wilson Mfg. Co. Inc.	Wils
Worth Co.	Worth

Drilling Outlook...

by Steve Moore, Drilling Editor

The drilling industry is climbing out of its prolonged slump, raising the hopes of better days ahead. The increase in the U.S. active rotary rig count during the last few months is welcome news, as is the growing number of active seismic crews and drilling permits.

The U.S. rig count reached 2,168, according to Hughes Tool Co., the largest number since mid-February. After bottoming out in April at 1,807 rigs, the count has increased by more than 20%. Most industry analysts expect a continuance through the end of the year--a count of 2,600 to 2,700 by December is feasible.

Seismic activity keeps picking up. The seismic land crew count bounced back to 428 in June, the latest available number, after dropping to 402 crews in February--the lowest number since September 1979.

The number of drilling permits issued also is up. After falling to a 3-year low of 4,331 drilling permits issued in a 13-state area during February, permits soared to 6,123 in July.

Still, prospects for some contractors haven't improved much. With rig utilization rates below 50% and contract bids hovering around the break-even point, cash-starved contractors find themselves in the same predicament as 6 months ago.

The big problem is the number of domestic rigs available. Supply simply outstrips demand and will continue for the short term. As a result, contractor bidding remains fierce, if not suicidal.

Many contractors are permanently stacking rigs until pricing incentives improve. Their reasoning: why work a rig at a loss? Other contractors are cannibalizing rigs for spare parts or are sending rigs overseas.

Banks are complicating matters by allowing insolvent contractors to delay bankruptcy proceedings. So far, few of the larger financial institutions have been willing to let a contractor with $100 million in loans go under. For smaller banks, contractors with service debt on two or three rigs are just as important to their loan portfolios, so these contractors are escaping foreclosures, too.

But more banks will be forced to take action with rig utilization and contract bids remaining low. By next summer, expect significantly fewer contractors to be operating.

Silver lining behind the gloom--with fewer rigs available, the industry will find demand catching up with supply more quickly. In turn, contractors will find improved pricing for their services. As profitability returns, contractors will be more inclined to refurbish rigs and buy new equipment.

Canada's rig count stands at 252, rising steadily from 76 active rigs in May. It's a far cry from when the Canadian rig count topped 440 rigs in August 1980, but the count has doubled from a year ago. Canadians who brought rigs to the U.S. in 1980 are trucking them back across the border as activity picks up.

On the international front, contractors haven't seen as much fluctuation in demand--the international rig count is off only 20% from 1982. Contracts are expiring and contractors face some touchy renegotiations, but activity shouldn't dip too much.

A problem may arise as more U.S. contractors look to the international market for relief. The result could mean a substantial drop in the utilization rate of the international rig fleet during the coming year.

The drilling outlook remains shaky but improving as more rigs go back to work. Next year the industry will face a certain spring slump, but until then contractors will find more holes to drill at a better price.

Drilling Contractors With Rotary Land Rigs in U.S.

A

ACT DRILLING CO PO Box 690 Yukon OK 73099 405-354-7751
ABERCROMBIE DRILLING INC 801 Union Center Wichita KS 67202 316-262-1841
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CRC MALLARD WELL INC PO Drawer 51498 OCS Lafayette LA 70505 318-233-4922
CACTUS DRILLING CO 13747 Montfort Ste 300 Dallas TX 75240 214-934-3333
CACTUS DRILLING CORP PO Drawer 2800 Midland TX 79702 915-563-2500 403-263-5670
CALIFORNIA PROD SERV INC 19431 S Santa Fe Ave PO Box 4489 Compton CA 90224 213-639-7074
CAPE DRILLING CO PO Box 756 Tyler TX 75710 214-593-8255
CARDINAL DRILLING CO PO Box 1077 Billings MT 59103 406-248-7324
CARTER DEVELOPMENT CORP 8609 NW Plaza Ste 440 Dallas TX 75225 214-521-9580
CARTER LAND & CATTLE CO PO Box 814 Chanute KS 66720 316-431-2080
CHALLENGER DRILLING Box 5710 Station "L" Edmonton Alberta T6C 4G2 Canada 403-955-7788
CHALLENGER DRILLING INC 2515 Kelly Lane Houston TX 77066 713-893-9755
CHAPMAN DRILLING CO (See HANING & YOUNG DRILLING CO)
CHEROKEE DRILLING & DEV CORP PO Box 2381 Midland TX 79702 915-563-1516
CHESLEY PRUET DRILLING CO PO Box 31 El Dorado AR 71730 501-863-7196 601-649-1200
CHEYENNE DRILLING 515 RH Garvey Bldg Wichita KS 67202 316-687-5471 316-277-2062
CHICO DRILLING CO 808 Commerce Bldg Fort Worth TX 76102 817-336-8688
CIMARRON OPERATING CO PO Box 21600 Oklahoma City OK 73156 405-848-2437
CINCO DRILLING CO 211 Highland Cross Ste 200 Houston TX 77073 713-443-3100 512-872-7983
CIRCLE C DRILLING CO Rte 4 Box 88 RB Richmond TX 77469 713-341-0922
CLEVELAND DRILLING CO 3131-A Fairhaven Dr Bakersfield CA 93308 805-395-0233
CLIFFS DRILLING CO 2-Allen Center Ste 3150 Houston TX 77002 713-651-9426
COASTAL DRILLING CO 2157 Mohawk St PO Box 5787 Bakersfield CA 93388 805-589-0210
COLEMAN DRILLING CO PO Drawer 3337 Farmington NM 87401 505-325-6892
COLLIER DRILLING CORP PO Box 271 Artesia NM 88210 505-746-3596
COMANCHE DRILLING CO PO Box 636 Cut Bank MT 59427 406-873-5731
COMET DRILLING CO Box 51529 Lafayette LA 70505 318-233-0114
COMPADRE DRILLING & EXPLORATION CORP PO Box 97 Ardmore OK 73402 405-223-3127
CONTINENTAL DRILLING CO PO Box 8569 Tyler TX 75701 214-561-5313
CORKY DRILLING CORP PO Box 1267 Big Spring TX 79721-1267 915-263-3660
CORPUS CHRISTI DRILLING CO PO Box 8400 Corpus Christi TX 78412 512-852-7642
COTHRUM DRILLING CO PO Box 18207 Dallas TX 75218 214-321-9115
CRAWFORD DRILLING CO Rte 3 Box 254 Brenham TX 77833 512-451-6447
CRESCENT DRILLING CO Calhoun Rd PO Box 626 Owensboro KY 42301 502-926-4656
CULVER DRILLING CO PO Box 75362 Oklahoma City OK 73147 405-324-6000
CYCLONE DRILLING INC PO Box 908 Gillette WY 82716 307-682-4161

D

D & D DRILLING CO PO Box 351 Ferriday LA 71334 318-757-3274
D & R DRILLING INC PO Box 4431 Odessa TX 79760 915-563-3550
D B DRILLING CORP 100 Chestnut Abilene TX 79602 915-672-2841
D B DRILLING CORP SHREVEPORT DIV PO Box 1735 Shreveport LA 71166 318-227-8313
DNB DRILLING INC 515 RH Garvey Bldg Wichita KS 67202 316-687-5471
DAHLQUIST DRILLING INC PO Box 602 Bakersfield CA 93302 805-327-1275
DAMAC DRILLING INC PO Box 1164 Great Bend KS 67530 316-792-1353
D L DAVIS DRILLING CO PO Box 570 Rte 1 N Mt Carmel IL 62863 618-263-4316
DEAN DRILLING CO PO Box 327 Cherokee OK 73728 405-596-3509
DECCA DRILLING CO 700 American Tower Shreveport LA 71101 318-227-8342

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DELTA DRILLING CO PO Box 2012 Tyler TX 75710 214-595-7700
DEVONIAN DRILLING CO 500 W Wilson Bridge Rd Ste 300 Worthington OH 43085 614-885-2268
DIAMOND M LAND DRLG PO Box 45858 Houston TX 77045 713-433-4551
DIATOM DRILLING CO PO Box 5004 Borger TX 79007-5004 806-273-3763
DIXILYN-FIELD DRILLING CO PO Box 4251 Houston TX 77210 713-877-8850
DIXON DRILLING CO PO Box 2773 Abilene TX 79604 915-676-8564
DOUGLAS DRILLING INC 805 T & P Lane Abilene TX 79602 915-676-5551
DRILCON INC 9099 Westheimer Ste 309 Houston TX 77063 713-780-8772
DRILLERS INC 5629 FM 1960 W Ste 202 Houston TX 77069 713-893-1020
DRILLTECH INC 2 Northpark E Ste 800 PO Box 31350 Dallas TX 75231 214-369-6699 214-363-9705
DUAL DRILLING CO PO Box 240 Wichita Falls TX 76307 817-723-2127
DUKE DRILLING CO PO Box 823 Great Bend KS 67530 316-793-8366
DUNNE-GARDNER PETROLEUM INC 200 W Douglas Ste 250 Wichita KS 67202 316-265-1611
DURKEE DRILLING INC 2950 N Loop West Ste 1040 Houston TX 77092 713-957-1111

E

E & H DRILLING CO PO Box 1058 Graham TX 76046 817-549-0370
EAGLE DRILLING INC PO Box 8609 Wichita KS 67208 316-682-5513
EAGLE PRODUCTION & DRILLING SERV 3626 N Hall St Dallas TX 75219 214-521-0021
EARL & SONS DRILLING INC Box 3 Cedar Crest NM 87008 505-281-3880
EASON OIL CO Sub of ITT 2601 NW Expwy Oil Center East Ste 1100E Oklahoma City OK 73102 405-848-8711
EDCO DRILLING CO PO Box 645 El Dorado KS 67042 316-321-9285
EDWARDS WELL SERV 7001 Fruitvale Extension Bakersfield CA 93308 805-589-0111
ELENBURG EXPLORATION INC Hwy 2 W PO Box 1850 Havre MT 59501 406-265-5811
ELJAY DRILLING CORP 8955 Katy Fwy Ste 101 Houston TX 77024 713-932-6771
ENERGY DRILLING CO PO Box 905 Natchez MS 39120 601-446-5259
ENERGY OPERATING CORP 12201 Merit Dr Ste 1100 Dallas TX 75251 214-387-2805
ENERGY SEARCH DRILLING CO PO Box 190 Farmington NM 87401 505-326-1135
ENERGY SERVICES CORP (See ESCOR)
ENOPCO 12201 Merit Dr Ste 1100 Dallas TX 75251 214-387-2805
EQUITY DRILLING CO PO Box 369 Dewey OK 74029 918-534-1700
ESCOR 4273 Corporate Way Mt Pleasant MI 48858 517-773-4922
EXCELL DRILLING CO 6475 Wadsworth Blvd Ste 115 Arvada CO 80003 303-424-1711
EXETER DRILLING CO 210 W Park Ave First Oklahoma Tower Oklahoma City OK 73102 405-235-9969
EXETER DRILLING CO Northern Division PO Box 17349 TA Denver CO 80217 303-861-0161
EXETER DRILLING CO INC Southern Division 144 Elk Place Ste 1502 New Orleans LA 70112 504-581-1498
EXPLORER DRILLING CO PO Box 53897 Lafayette LA 70505 318-988-2590

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F & N DRILLING CO PO Box 6854 Odessa TX 79762 915-367-1028
FWA DRILLING CO PO Box 419 Wichita Falls TX 76307 817-322-0761
FAIRMAN DRILLING CO PO Box 288 Dubois PA 15801 814-371-8410
FAITH DRILLING CO PO Box 7 Houston TX 77001 713-524-7411
FALCON DRILLING CO 1700 SE 22 Second Oklahoma City OK 73129 405-670-3161
JOHN O FARMER INC PO Box 352 Russell KS 67665 913-483-3144
FAULK DRILLING CO PO Box 429 Breckenridge TX 76024 817-559-3744
FELDERHOFF BROS DRILLING CO PO Box 739 Gainesville TN 76240 817-665-0396
FISCUS DRILLING CO Rte 1 Box 572-A Big Spring TX 79720 915-393-5211
FISHER DRILLING CORP 702 Market St Perry OK 73077 918-582-4457
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FORWEST INC 910 16th St Ste 408 Denver CO 80202 303-573-1661
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FOUR CORNERS DRILLING CO PO Box 1067 Farmington NM 87401 505-327-0322
FRANCE DRILLING CORP (See GRACE FRANCE DRILLING)
FRANKLIN DRILLING INC PO Drawer 1237 Graham TX 76046 817-549-5661
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FRIO DRILLING CO 1216 Guaranty Bank Plaza Corpus Christi TX 78475 512-883-8555

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GCO DRILLING CO PO Box 3134 Abilene TX 79604 915-695-9410
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GLENDEL DRILLING CO 2761 Old Erath Rd PO Box 765 Abbeville LA 70510 318-898-1637
GLOBE DRILLING CO 1212 The Peoples Plaza Tower Tyler TX 75702 214-593-0281
GOLDEN STATE DRILLING INC 3312 Fruitvale Ave Bakersfield CA 93308 805-589-0730
GOLDRUS DRILLING CO PO Box 4394 Houston TX 77210 713-658-9271
GRACE-BOMAC DRILLING 10403 W Colfax Ste 700 Lakewood CO 80215 303-234-1444
GRACE FRANCE DRILLING Div TRG Drilling Corp 700 Travis Place Shreveport LA 71101 318-221-3434
GRACE MILLER DRILLING Rte 5 Box 450 Fort Smith AR 72901 501-646-3481
GRACE/TRG DRILLING CO 3300 NE 60th St Oklahoma City OK 73121 405-478-4880
GRAND DRILLING 920 Hamilton Bldg Wichita Falls TX 76301 817-723-2422
GRAVES DRILLING CO 910 Union Center Wichita KS 67202 316-265-7233

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GREY WOLF DRILLING CO 2000 S Post Oak Rd Ste 1730 Houston TX 77056 713-626-1373
GUFFEY-SCHLENSKER DRILLING CORP PO Box 1330 Richardson TX 75080 214-231-8551
GWALTNEY DRILLING CO PO Box 520 Washington IN 47501 812-254-5065

H

H & S DRILLING CO 320 S Boston Ste 2000 Tulsa OK 74103 918-587-8163
H S ENERGY/SENIOR DRILLING CO 9400 N Central Ste 407 Dallas TX 75231 214-363-7163
H-30 DRILLING INC 251 N Water Ste 10 Wichita KS 67202 316-263-2043
HACK DRILLING CO PO Box 5108 Abilene TX 79608 915-692-4111
HAMM DRILLING INC One Perry Plaza Box 17 Perry KS 66073 913-597-5111
HANING & YOUNG DRILLING CO 3050 Post Oak Blvd Ste 350 Houston TX 77056 713-961-2981
HARKINS & CO PO Box 1940 Alice TX 78332 512-883-3022
HARPEL DRILLING CO PO Box 2811 Casper WY 82602 307-265-9193
HARPER-TURNER DRILLING 904 Hightower Bldg Oklahoma City OK 73130 403-232-3241
HARRIS DRILLING CO Box 99 Hwy 15 Grayville IL 62844 618-375-2211
HARRIS WELL SERVICE INC PO Drawer 949 Eunice LA 70535 318-457-3376
H F HATCHER & SON PO Box 167 Smackover AR 71762 501-725-2436
HEARTLAND DRILLING INC 600 One Main Place Wichita KS 67202-1399 316-265-9723
HELMERICH & PAYNE INTL DRILLING Utica at 21st St Tulsa OK 74114 918-742-5531
HENLEY DRILLING CO 2900 First Natl Bank Bldg Ste 2420 Dallas TX 75202 214-749-0847
HERB EXPLORATION PO Box 1934 Abilene TX 79604 915-672-1291
HICKMAN DRILLING CO PO Box 1467 Woodward OK 73801 405-256-8686
HILLIN DRILLING CO PO Box 152 Odessa TX 79760 915-563-3560
W B HINTON DRILLING CO 1805 N Jefferson St Mt Pleasant TX 72455 214-572-8777
HOLLIDAY DRILLING INC PO Box 3489 Midland TX 79702 915-697-2208
HONDO DRILLING CO PO Drawer 2516 Midland TX 79702 915-682-9401
HOUTECH DRILLING 10701 Corporate Dr Ste 230 Stafford TX 77477 713-494-5151
HOWELL DRILLING INC 635 Milam Bldg San Antonio TX 78205 512-227-5283
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HUGHES DRILLING CO Box 6001 Enid OK 73702 405-234-7222
HUNNICUTT CAMP DRILLING CO PO Box 399 Rio Vista CA 94571 707-374-2425 805-327-3948
CLINT HURT & ASSOCIATES INC PO Box 1973 Midland TX 79702 915-683-6381
HUSKY DRILLING CO 555 N Woodlawn Ste 114 Wichita KS 67208 316-685-7677
HUSSAR DRILLING 1200 McFarlane Tower 700 Fourth Ave SW Calgary Alberta T2P 3J4 Canada 403-265-6982
HYLTON DRILLING CO 7700 Downing Rd Bakersfield CA 93308 805-589-2062

I

INTERNATIONAL PETROLEUM SERV CO Rte 6 N PO Box 547 Sheffield PA 16347 814-968-3295
IRON DRILLING CO 3201 S Van Buren PO Box 3525 Enid OK 73701 405-234-1292

J

J & C DRILLING CO PO Box 216 Refugio TX 78377 512-526-2376
J & W DRILLING CO Rte 3 Gorman TX 76454 817-734-2665
J 3 DRILLING CO First City Bank Tower Corpus Christi TX 78477 512-881-9773
J W DRILLING CO 200 E First St Ste 500 Wichita KS 67202 316-263-5924
J-V DRILLING CO 4445 Commerce St Evansville IN 47710 812-424-3571
JFP WELL SERVICE INC 13231 Champion Forest Dr Ste 210 Houston TX 77069 713-893-4464
JHJ DRILLING CO 333 North Belt East Ste 620 Houston TX 77060 713-999-4980
JAY-LAN CORP 207 W 12th St Hays KS 67601 913-628-1316
JOHNN DRILLING CO PO Box 6189 Odessa TX 79762 915-563-1280
JOHNSON-BATES DRILLING CO PO Box 128 Konawa OK 74849 405-925-3256
JONES DRILLING CO PO Box 685 Albany TX 76430 915-762-3652
LOYD JONES DRILLING CO PO Box 816 Perryton TX 79070 806-435-6871
JONES DRILLING CORP PO Box 1165 Duncan OK 73533 405-255-1191
JUSTISS OIL CO PO Drawer N Jena LA 71342 318-992-4111

K

K B DRILLING CO PO Box 1848 Harve MT 59501 406-265-1407
K B DRILLING & PRODUCTION INC PO Box 1244 Taft CA 93268 805-763-5106
KANDRILCO INC Bldg 1 Ste 207 555 N Woodlawn Wichita KS 67208 316-681-1623
KCA DRILLING LTD KCA House 227 Shepherds Bush Rd London W6 7AS England 01-741-4811
KANSAS DRILLING & WELL SERV INC 203 S Third Marion KS 66861 316-382-3734
KAY DRILLING CO PO Box 1622 Ponca City OK 74602 405-765-2406
KELLEY & KERR DRILLING CO 15119 Memorial Dr Ste 100 Houston TX 77079 713-870-8774
K L KELLOGG & SONS 4220 Long Beach Blvd PO Box 7053 Long Beach CA 90807 213-422-1247
KENAI DRILLING OF NEW MEXICO INC PO Box 1636 Hobbs NM 88241-1636 505-392-7528
KENAI DRILLING OF TEXAS INC PO Box 6725 Odessa TX 79767 915-362-2323
KENAI DRILLING WEST COAST INC PO Box 2248 Orcutt CA 93454 805-928-1701
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D R LAUCK OIL CO 221 S Broadway Ste 400 Wichita KS 67202 316-263-8267
LAYTON OIL CO PO Box 263 Independence KS 67301 316-331-1150
LEBEN DRILLING CO 105 S Broadway Ste 640 Wichita KS 67202-4260 316-264-2375
LEE DRILLING INC 4802 Derrick Dr Abilene TX 79601 915-677-3566
LEEMAN DRILLING CO 1400 Fifty Penn Place Oklahoma City OK 73118 405-842-1622
DAN LESTER DRILLING CO PO Drawer N Jefferson TX 75657 214-665-2511
LIGHTNING DRILLING & CONSTR CO PO Box 1159 Henderson KY 42420 502-826-3968
LIN-MOUR DRILLING CORP 1411 13th St Wichita Falls TX 76301 817-322-8550
LITTLE-DEUTAG DRILLING INC 2007 N Commerce PO Box 1509 Ardmore OK 73402 405-226-7620
LOFFLAND BROS CO PO Box 2847 Tulsa OK 74101 918-622-9330
LOGAN DRILLING CO PO Box 1622 Enid OK 73702 405-233-5048
LOHMANN DRILLING CO 18 NW 45th St Evansville IN 47708 812-428-4180
J ROY LOHMANN INC 18 NW 45th St Evansville IN 47708 812-428-4180
LORD DRILLING CO 14618 W Sixth Ave Golden CO 80401 303-279-2471
LOUISE DRILLING CO PO Box 272 Louise TX 77455 409-648-2641
LOWE DRILLING CO PO Box 1368 Albany TX 76430 915-762-2530
LUKE GRACE CO 710 Petroleum Bldg PO Box 5371 Wichita Falls TX 76307 817-723-2187
LYNX DRILLING CO PO Box 13306 Arlington TX 76013 817-261-4181

M

M G F DRILLING CO-HOUSTON 2626 Richmond Houston TX 77098 713-526-7236
M G F DRILLING CO-LAFAYETTE PO Box 938 Scott LA 70583 318-237-6161
M G F DRILLING CO-MIDLAND PO Box 6370 Midland TX 79701 915-563-4850
M N D DRILLING CORP-NORTHERN DIV PO Box 248 Bridgeport TX 76026 817-683-5106
M N D DRILLING CORP-SOUTHERN DIV PO Box 109 Magnolia TX 77355 713-356-8280
MOXA DRILLING CO 106 W Eighth McCook NE 69001 308-345-2945
MAGEE-POOLE DRILLING CO PO Box 2000 Alice TX 78332 512-664-1891
MAGIC CIRCLE DRILLING CO 4141 Northwest Expwy Oklahoma City OK 73116 405-843-6654
R L MANNING CO 1700 Broadway Ste 2200 Denver CO 80290 303-839-1977
MAR-TAY DRILLING CO PO Box 1216 Drumright OK 74030 918-352-3802
MARATAN RESOURCES CORP 2525 Northwest Expy Oklahoma City OK 73112 405-848-2866

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MARION DRILLING & SERVICES CO PO Box 3027 Mobile AL 36652 205-626-3924
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MAXWELL HERRING DRILLING CORP PO Box 1297 Tyler TX 75710 214-593-1737
McALLISTER DRILLING INC 251 North Water Ste 10 Wichita KS 67202 316-263-6972
McBAY OIL & GAS INC PO Box 1085 Crockett TX 75835 409-544-5168
J W McCUTCHEN DRILLING CO 912 Oil & Gas Bldg Wichita Falls TX 76301 817-322-9231
McLENNAN DRILLING CO PO Box 6 Nowata OK 74048 918-273-1265
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McVAY DRILLING CO 308 Philtower Bldg Tulsa OK 74103 505-397-3311
MEGARGEL DRILLING CO PO Box 358 Megargel TX 76370 817-563-2311
MELLON DRILLING CO 133 W Concho Ste 103 San Angelo TX 76901 915-655-8951
MELTON DRILLING CO 7101 Downing Ave Bakersfield CA 93308 805-587-0521
MENDENHALL DRILLING CO PO Box 302 Lamont OK 74643 405-388-4444
MERCURY DRILLING CO 1701 SE 25th St Oklahoma City OK 73129 405-672-4441
MERIT DRILLING CO PO Box 79667 Houston TX 77279 713-493-1001
MESA DRILLERS PO Box 108 Lubbock TX 79408 806-794-3248
MESA DRILLING CO PO Box 1481 Abilene TX 79601 915-673-4787
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MONTEREY DRILLING CO 11 W Del Mar Ste 203 Pasadena CA 91105 805-327-3948
MONTGOMERY DRILLING CANADA LTD 960-700 Fourth Ave SW Calgary Alberta T2P 3J4 Canada 403-290-1644
MONTGOMERY DRILLING CO PO Box 2508 Bakersfield CA 93303 805-393-9620
MORAN BROS INC PO Box 4502 Houston TX 77210 713-820-1865
MORAN DRILLING CORP PO Box 4502 Houston TX 77210 713-820-1865
E W MORAN DRILLING CO PO Box 7519 Wichita Falls TX 76307 817-691-3000
MORANCO PO Box 1860 Hobbs NM 88240 505-397-3511
MORRISON DRILLING & PRODUCING CO One Energy Square Ste 1-LB Abilene TX 79601 915-677-8523
MORROW DRILLING CO PO Box 4936 Odessa TX 79760 915-333-2875
MOSLEY WELL SERVICE INC PO Box 970 Minden LA 71055 318-377-2393
MURCO DRILLING CORP 1900 Beck Bldg Shreveport LA 71101 318-221-7373
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NORTON DRILLING CO 606 Lubbock National Bank Bldg Lubbock TX 79401 806-747-3324
A N NORWOOD INC PO Box 310 Midland TX 79702 915-683-3972
NOWOTNY & CONLEY DRILLING CORP 1700 Buckner Square Ste 200 Shreveport LA 71101 318-227-0442

O

O'NEAL DRILLING CO PO Box 4660 Fort Worth TX 76106 817-625-8246
ELMER OELZE JR RR 1 Box 148 Nashville IL 62263 618-327-3807
OILWELL DRILLING INC PO Box 988 Graham TX 76046 817-549-6960
OLSEN DRILLING CO 1616 Glenarm Place Ste 1305 Denver CO 80202 303-893-2221
ONEOK DRILLING CO 7060 S Yale Tulsa OK 74153 918-494-8725
ORIGINALA DRILLING CO 956 S Main Jacksboro TX 76056 817-567-3991
OWEN DRILLING CO PO Box 861 Magnolia AR 71753 501-234-6300
JACK OWENS SERV CO 1626 Del Dayo Dr Carmichael CA 95608 916-485-8995

P

P E P DRILLING CO 123 S 10th PO Box 824 Mt Vernon IL 62864 618-242-2205
PRC DRILLING CO PO Box 1121 Corpus Christi TX 78403 512-289-6763
PADRE DRILLING CO 2501 Suntide Rd Corpus Christi TX 79410 512-241-2871
PAR-CO DRILLING INC PO Box 873 Natchez MS 39120 601-442-6421
PARKER DRILLING CO 8 E Third St Tulsa OK 74103 918-585-8221
PEARL EXPLORATION INC PO Box 2179 Alice TX 78332 512-664-2605
PENRICK DRILLING CO 1060 Petroleum Tower Corpus Christi TX 78474 512-289-2162
PENROD DRILLING CO 2200 Thanksgiving Tower Dallas TX 75202 214-880-1700
PETERS DRILLING INC PO Box 742 Great Bend KS 67530 316-793-6721
PICKRELL DRILLING CO 110 N Market Ste 205 Wichita KS 67202 316-262-8427
PILGRIM DRILLING CO 6733 S Yale Ave PO Box 35588 Tulsa OK 74136 918-494-0944

P (Cont'd)

PLOTNER DRILLING CO 8101 NW 10th St Oklahoma City OK 73127 405-787-7234
POOL OFFSHORE PO Box 4271 Houston TX 77210 713-750-4999
GENE PORTER DRILLING CO PO Box 389 Cushing OK 74023 918-225-1563
POWER RIG DRILLING CO PO Box 52808 Lafayette LA 70505 318-234-4525
POZOS INTERNATIONAL DRILLING SERVICES CO 9 Pozos Lane PO Box 3339 Conroe TX 77305 409-756-4161
PRAIRIE STATES EXPL INC PO Box 2515 Midland TX 79702 915-686-0134
PRECISION EXPL CO PO Box 278 Olney IL 62450 618-395-8448
J A PRICE & CO PO Box 4435 Odessa TX 79760 915-563-3139
T D PROVINS DRILLING CO 2113 Enterprise Dr PO Box 642 Mt Pleasant MI 48858 517-773-6946
PRUET-RAM CO PO Box 31 El Dorado AR 71730 501-863-3612
PYRAMID OIL WELL SERV PO Box 3225 Santa Fe Springs CA 90670 213-944-6703

Q

QUANZA DRILLING INC 3824 N Meridian Ste 110 Oklahoma City OK 73112 405-942-7900
QUARLES DRILLING CORP 1503 Engineer Rd Belle Chasse LA 70037 504-392-4191

R

R R A INC 510 Hardage Center Wichita KS 67202 316-262-3411
R RIGS INC PO Box 99 Quinlan TX 75474 214-563-6771
R W I T DRILLING CO 324 W Main PO Box 551 Holdenville OK 74848 405-379-5491
R & G DRILLING Sub Rine Drlg 300 W Douglas Ste 600 Wichita KS 67202 316-267-1333
RDC/FINLEY PO Box 7296 Long Beach CA 90807 213-595-4505
RAINBOW DRILLING CO 1106 N Kilgore St PO Box 1779 Kilgore TX 75662 214-984-5095
RAINS & WILLIAMSON OIL CO 435 Page Court 220 W Douglas Wichita KS 67202 316-265-9686
RAM DRILLING CO PO Box 118 Browns IL 62818 618-446-5117
RANGE DRILLING CO 240 Page Ct 220 W Douglas Wichita KS 67202 316-265-6231
RAPAD DRILLING CO PO Box 31 El Dorado AR 71730 501-863-7196
RATLIFF DRILLING CO PO Box 988 Duncan OK 73533 405-255-2916
RAY RESOURCES CORP PO Box 203 Culloden WV 25510 304-743-9067
REBEL DRILLING CO PO Box 1151 Natchez MS 39120 601-446-7831
RED TIGER DRILLING CO 1720 Kansas State Bank Bldg Wichita KS 76202 316-263-2371
REMCO DRILLING 3000 E Hwy 80 Haughton LA 71037 318-949-4103
RESOURCE DRILLING INC PO Box 4341 Houston TX 77210 713-871-8550
RICHARDS-ARMSTRONG INC PO Box 1149 Bay City TX 77414 409-245-8339
RICHARDS DRILLING CO PO Box 1149 Bay City TX 77414 409-245-8389
RILEY DRILLING CO 907 Scurry Big Spring TX 79720 915-394-4454
RINE DRILLING CO 300 W Douglas Ste 600 Wichita KS 67202 316-267-1333
RIO COLORADO DRILLING CO 330 North Belt E Ste 100 Houston TX 77060 713-445-2231
RIO GRANDE DRILLING CO 2300 Tower Life Bldg San Antonio TX 78205 512-224-4572

Annual Report Survey

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Alternate Energy Resources
Capital/Exploratory Budgets

Call 214/748-4403 for more information or mail this order form to: Service R&D Department; Energy Publications, division of HBJ; P.O. Box 1589; Dallas, TX 75221.

Name: ______________________ Company: ______________________

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R (Cont'd)

ROBERSON DRILLING CO PO Box 1966 Ardmore OK 73402-1966 405-223-1277
ROBINSON BROS DRILLING CO 1413 25th St Woodward OK 73801 405-254-3361
ROBINSON DRILLING OF TEXAS PO Box 311 Big Spring TX 79720 915-267-5277
ROCKHOLD ENGINEERING INC PO Box 698 Great Bend KS 67530 316-729-2506
ROCKWELL DRILLING CO PO Box 993 400 W Fifth St Holdenville OK 74848
ROCKY MOUNTAIN DRILLING LTD 10333 Southport Rd SW #415 Calgary Alberta T2W 3X6 Canada 403-259-6767
ROD RIC CORP PO Box 10847 Midland TX 79702 915-682-7880
J B RODEN DRILLING CO PO Box 880 Mills WY 82644 307-266-6552
ROSAMOND DRILLING CO PO Box 7656 Monroe LA 71203 318-323-7736
ROTARY DRILLING INC PO Box 6457 Tyler TX 75711 214-592-8174
ROWAN DRILLING-US 1900 Post Oak Tower Bldg 5051 Westheimer Houston TX 77056 713-621-7800
ROYAL DRILLING INC PO Box 1971 Ada OK 74820 405-332-1426
ROYCO DRILLING CO PO Box 681 Owensboro KY 42301 502-685-3687

S

SEE LAND DRILLING CORP PO Box 311 Magnolia MS 39652 601-249-3060
SH & J DRILLING CORP PO Drawer 868 Magnolia AR 71753 501-234-4600
SABRE DRILLING CO Div TRG Drilling Corp PO Box 1150 Cushing OK 74023 918-225-3502
SABRE DRILLING INC 1215 24th St W #220 Billings MT 59102 406-656-0730
SAFARI DRILLING CORP PO Box 3236 Abilene TX 79604 915-677-2826
SAGE DRILLING CO 202 S St Francis Wichita KS 67202 316-263-6139
SAN PATRICIO CORP PO Box 966 Corpus Christi TX 78403 512-289-6717
SANDIA DRILLING CO 2500 Broadway Bldg Edmond OK 73034 405-340-0210
SANTA FE DRILLING CO PO Box 1401 Orange CA 92669 714-558-1300
SAWYER DRILLING & SERV INC 1300 American Tower Shreveport LA 71101 318-949-3282
SCANDINAVIAN MONTGOMERY DRILLING PO Box 2508 Bakersfield CA 93303 805-327-5736
SCHLENSKER DRILLING CORP PO Box 1330 Richardson TX 75080 214-231-8551
DON SCOTT DRILLING CO PO Box 177 Jonesville MI 49250 517-849-9237
JERRY SCOTT DRILLING CO 319 N Harvey Rd PO Box 1488 Seminole OK 74868 405-382-2202
SEALY & CO PO Box 407 Breckenridge TX 76024 817-559-6543
SEARCH DRILLING CO 1900 First Oklahoma Tower 210 W Park Ave Oklahoma City OK 73102 316-682-7526
SENECA DRILLING CO 100 NW 63rd St Oklahoma City OK 73116 405-848-3338
SERVICE DRILLING CO PO Box 5320 Borger TX 79007-5320 806-273-7573
SHARP DRILLING CO PO Box 1271 Midland TX 79702 915-683-3384
SHELBY DRILLING 5350 S Roslyn Ste 300 Englewood CO 80111 303-740-2200
R H SHELDON & SON INC 13213 TR 50 Dunkirk OH 45836 419-759-2351
SHIELDS DRILLING CO PO Box 709 Russell KS 67665 913-483-3141
SHULER DRILLING CO 3514 W Hillsboro El Dorado AR 71730 501-863-7234
SIGNAL OILFIELD SERVICE INC 1616 Glenarm Place Ste 1200 Denver CO 80202 303-629-1050
SIMMONS DRILLING LTD 600-1177 11th Ave SW Calgary Alberta T2R 1K9 Canada 403-244-5340
SITTON DRILLING CO 916 Main Ste 503 Republic Bank Bldg Lubbock TX 79401 806-763-4442
SLAWSON DRILLING CO 200 Douglas Bldg Wichita KS 67207 316-263-3201
SLOAN DRILLING CO 2825 E Skelly Dr Ste 827 Tulsa OK 74105 918-745-6570
SMART DRILLING CO (See ONEOK DRILLING CO)
SMITH BROTHERS DRILLING CO 5208 W Reno Ste 250 Oklahoma City OK 73127 405-943-0165
SMITH DRILLING CO Rte 1 S PO Box 150 Lawrenceville IL 62439 618-943-2342
CARL E SMITH PETROLEUM INC PO Box 4 Sandyville WV 25275-0004 304-273-9313
SNYDER DRILLING WELL SERV CO Hwy 1 S PO Box E Grayville IL 62844 618-375-2491
SOAPE DRILLING CO PO Box 1284 Billings MT 59103 406-252-1341
SOJOURNER DRILLING CORP PO Box 3234 Abilene TX 79604 915-672-2832 915-677-6269
SOUTH TEXAS DRILLING CO 2211 NE Loop 410 Ste 100 San Antonio TX 78205 512-654-4085
SOUTHLAND DRILLING CO Rte 5 Box 121 Victoria TX 77901 512-578-3531
SPARTAN DRILLING INC PO Drawer 3759 Bryan TX 77805 409-775-7071
SPUR DRILLING INC 1100 NE Loop 410, Ste 438 San Antonio TX 78209 512-822-2640
STAHLCO DRILLING CO 1013 W Eighth PO Box 2231 Amarillo TX 79105 806-376-5038
STERLING DRILLING CO 230 N Fourth St Sterling KS 67579 316-278-2131
STERLING DRILLING CO PO Drawer 3068 Midland TX 79702 915-685-3054
STEWART BROTHERS DRILLING CO PO Box 2067 Grants NM 87020 505-287-2986
STOEPPELWERTH DRILLING INC 1111 E "H" St McCook NE 69001 308-345-1766
M L STONE DRILLING CO PO Box 299 Saratoga TX 77585 409-274-5934
STRATA DRILLING INC PO Box 355 Great Bend KS 67530 316-793-7971
SUMPTER & BARKER DRILLING CO PO Box 1081 Stillwater OK 74076 405-372-4063
SUNDOWN DRILLING CO 1800 NE Loop 410 Ste 208 San Antonio TX 78217 512-349-8116
SWEETMAN DRILLING INC 410 One Main Place Wichita KS 67202 316-265-5561

T

T E K DRILLING CO 1224 Josey Lane Ste B Carrollton TX 75006 214-242-6314, 6402
T O T DRILLING CORP 5718 Andrews Hwy Odessa TX 79762 915-367-7361
TMBR DRILLING INC PO Drawer 10970 Midland TX 79702 915-563-1927
TWT EXPLORATION INC PO Box 1329 Park City UT 84060 801-649-8212
TAHOE DRILLING CO 4402 W Industrial Midland TX 79703 915-697-4173
TAYLOR DRILLING CO PO Box 597 Chehalis WA 98532 206-748-3445
TESORO DRILLING CO PO Drawer 2909 Laurel MS 39440 601-428-1461
TEXAS DRILLING CO PO Box 240 Abilene TX 79604 915-673-5024
TEXZONA DRILLING CO 21 Windmill Circle PO Box 6127 Abilene TX 79608 915-695-4963
THEISS DRILLING CO 1331 Oakhurst Wichita Falls TX 76302 817-766-0763
THOMAS DRILLING CO PO Box 400 Duncan OK 73533 405-252-5580

T (Cont'd)

THOMPSON DRILLING CO 4 Corporate Dr Ste 102 Newport Beach CA 92660-7986 714-644-9292
THUNDERBOLT DRILLING INC PO Box 129 Winnsboro TX 75494 214-342-5221
TIERRA DRILLING CORP PO Box 3469 CPI Bldg Midland TX 79702 915-694-9553
TOLTEK DRILLING CO 340 Denver Club Bldg Denver CO 80202 303-571-1331
TOP DRILLING INC 2601 NW Expy Ste 101E Oil Center Oklahoma City OK 73112-7138 405-848-4414
TRAFALGAR DRILLING CO PO Box 4396 Midland TX 79704 915-699-7067
TRANS-PAC DRILLING INC 600 One Main Place Wichita KS 67202-1399 316-265-0226
TRANSCONTINENTAL DRILLING INC DENVER DIV Anaconda Tower Ste 2700 Denver CO 80220 303-571-4800
TRANSCONTINENTAL DRILLING INC JACKSON DIV 1700 Capital Towers Jackson MS 39201 601-355-1542
TRANSCONTINENTAL DRILLING INC MAGNOLIA DIV Magnolia AR 71753 501-234-5011
TRANSCONTINENTAL DRILLING INC SAN ANGELO DIV 3184 Executive Dr San Angelo TX 76903 915-653-3324
TRI-J DRILLING CO PO Box 5338 Abilene TX 79605 915-698-8026
TRI-LAND DRILLING CO PO Box 18605 Oklahoma City OK 73154 405-528-1463
TRI-SERVICE DRILLING CO PO Drawer 70 Midland TX 79702 915-684-6641
TRIAD DRILLING Div UGI Development Co Grand Centre Bldg Ste 310 5400 N Grand Blvd Oklahoma City OK 73112
TRIGG DRILLING CO PO Box 18605 Oklahoma City OK 73154 405-528-4456
TRUE DRILLING CO PO Drawer 2360 Casper WY 82602 307-237-9301
TUCKER DRILLING CO PO Box 1876 San Angelo TX 76901 915-655-6773
TWIN ARROW INC Box 948 Rangely CO 81648 303-675-8226

U

U R C DRILLING CORP 4141 Northwest Expy Oklahoma City OK 73116 405-842-1039
UNDERWATER GAS DEVELOPERS LTD PO Box 428 Port Colborne Ontario L3K 1B7 Canada 416-894-1731
UNDERWOOD OIL WELL SERV INC Ouachita National Bank Bldg Ste 808 Monroe LA 71201 318-388-0385
UNION DRILLING INC PO Drawer 40 Buckhannon WV 26201 304-472-4610
UNIT DRILLING & EXPL CO 1101 Petroleum Club Bldg Tulsa OK 74119 918-582-9595
UNITED DRILLING DIV BALTIC DRILLING (TX) INC Hwy 155 N Rte 1 Box 294 Tyler TX 75708 214-877-3411

V

VAUGHN GOOD DRILLING INC PO Box 3744 Enid OK 73702 405-233-3899
VECO DRILLING INC 2457 Industrial Blvd PO Box 1705 Grand Junction CO 81501 303-242-6912
VENTURE DRILLING CO 848 E Main PO Box 1353 Cushing OK 74023 918-225-3269
VERNA CORP PO Box 952 Odessa TX 79760 915-381-6910
VI-ROI DRILLING CO PO Box 1624 Duncan OK 73533 405-255-9750
VIERSEN & COCHRAN DRILLING CO PO Box 19227 Oklahoma City OK 73144 405-681-6611
VISTA DRILLING CO 700 American Tower Shreveport LA 71101 318-227-8342

W

W E K DRILLING CO PO Box 1498 Roswell NM 88201 505-623-5070
W E S CORP PO Box 1329 Park City UT 84060 801-640-8212
W W CORP 220 N Main St Madisonville KY 42431 502-821-0087
EARL F WAKEFIELD INC 300 W Douglas Ste 500 Wichita KS 67202 316-264-2386
WARREN INTERSTATE DRILLING CO 906 Utica Tower Tulsa OK 74104 918-749-8361
WARRIOR DRILLING CO 5801 N Broadway Ste 200 Oklahoma City OK 73118 405-840-1783
WEAL DRILLING CO PO Box 249 Hanson KY 42413-0249 502-322-3302
WES-MOR DRILLING INC PO Box 1259 Graham TX 76046 817-549-3383
WES-TEX DRILLING CO PO Box 3739 Abilene TX 79604 915-677-9121
WESTBURNE DRILLING INC 999-18th St #1860 PO Box 13079 Denver CO 80201 303-623-8800
WESTBURNE DRILLING CANADA LTD 200 535 Seventh Ave SW Calgary Alberta T2B 0Y4 Canada 403-233-6600
WESTERN WELL DRILLING INC 11299 Brighton Rd Henderson CO 80640 303-288-2247
WEST WIND DRILLING CO 1675 Broadway Ste 2260 Denver CO 80202 303-571-0215
WHEATSTATE OILFIELD SERVICES INC PO Box 329 Pratt KS 67124 316-672-7514
WHELESS DRILLING CO 920 Commercial National Bank Bldg Shreveport LA 71101 318-222-3137
WHITE & ELLIS DRILLING INC 401 E Douglas Ste 500 Wichita KS 67202 316-263-1102
E E WHITEHEAD DRILLING CONTR PO Box 1255 Drumright OK 74030 918-352-2230
WILCOX DRILLERS INC PO Box F F Natchez MS 39120 601-446-5021
WILLBROS DRILLING INC FM 1788-2 mi S I-20 PO Box 833 Rte 6 Midland TX 79701 915-563-0221
WILLIAMS DRILLING CO 1300 Main St Ste 1530 Houston TX 77002 713-652-9106
WILLIAMS DRILLING CO OF SOUTH TEXAS PO Drawer 3050 Alice TX 78332 512-668-9867
WILLIS DRILLING CO PO Box 479 Edinburg TX 78539 512-383-3886
WILSON BROS DRILLING CO 217 E Kaliste Saloom Rd PO Drawer 53628 Lafayette LA 70505 318-233-5950
LES WILSON INC PO Box 331 Carmi IL 62821 618-382-5091
WINTER DRILLING & EXPLORATION CO Rte 1 Box 11-A Nowata OK 74048 918-273-1874
WOOLF & MAGEE INC PO Box 6566 Tyler TX 75711 214-561-4051
WYOMING WELL SERV INC PO Box 340 Cody WY 82414 307-587-4249

Y

YOUNG DRILLING CO Bloomfield Hwy PO Box 717 Farmington NM 87401 505-327-5218

Z

ZENITH DRILLING CORP Fourth Financial Center Ste 505 Wichita KS 67202 316-265-6697

U.S. Contract Rotary Land Drilling Rigs

ALABAMA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Marion Drlg	4	dsl	2400	C-E C2	2400	250
	5	dsl	2400	Olwl M2000	2400	250
	6	dsl	3300	C-E C3	3300	300
CHOCTAW						
Bailey Drlg, Pernie	3	dsl	2000	S/B N12		180
Rapad Drlg	2	dsl	1800	C-E GB500	1200	140
CLARKE						
Helmerich & Payne Intl Drlg	72	dsl	2835	Olwl 3000M	2835	300
Penrod Drlg	106	dsl	1575	Nat 80B	1780	150
CONECUH						
Bay Drlg	2	dsl	2500	Nat 110M	2500	200
ESCAMBIA						
Chesley Pruet Drlg	14	dsl	3600	G-D 1500M	3600	250
Delta Drlg	66	d-e	2600	C-E Electrohoist II	3456	180
	93	d-s	2000	C-E D3 Type II	2592	180
Exeter Drlg Southern	26	dsl	2500	95 S/B	2500	175
JHJ Drlg	1	d-s	1300	S/B NE95A	1700	200
Penrod Drlg	19	dsl	2600	Nat 1320M	3425	250
MOBILE						
Exeter Drlg Southern	16	dsl	2600	G-D 1500	2600	250
	27	dsl	2800	G-D 1500	2800	250
Noble Drlg	25	dsl	3300	Nat 1625DE	3135	300
Penrod Drlg	6	dsl	3425	Nat 1625M6	2200	300
	7	dsl	3425	Nat 1625M6	2200	300
	9	dsl	2600	Nat 1320M	3425	250
Rapad Drlg	3	d-e	4000	G-D 1500E	2000	250
Resource Drlg	RD-22	dsl	3105	Nat 1320	3740	250
MONROE						
JHJ Drlg	6	dsl	1000	OIME SL7	1400	170
PICKENS						
Justiss Oil	39	dsl	300	J-M 6500	400	65

ALASKA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
ANCHORAGE						
Nabors Alaska Drlg	28-E	d-e	2000	C-E Electrohoist IIC	3700	250
Parker Drlg	122	dsl	1800	OIME SL1500	1800	180
Rowan Drlg	33	d-e	1600	Nat 1320UE		200
DEAD HORSE						
Rowan Drlg US	26	dsl	2000	Nat 110	1590	180
KENAI						
Rowan Drlg US	29	dsl	1850	Nat 110	2400	200
NORTH SLOPE						
Alaska United Drlg	WWS-1	d-e	1000	Olwl 700E	700	100
	1	d-e	2000	Olwl 840E	1500	180
	2	d-e	3200	Olwl 2000	2000	200
	3	d-e	3200	Olwl 2000E	2000	200
Nabors Alaska Drlg	1-ES	d-e	500	C-E Electrohoist CII	2400	200
	17	dsl	2000	Olwl 860	2475	190
	18-E	d-e	2000	C-E Electrohoist	3200	250
	22-E	d-e	3200	C-E IIC Electrohoist	3200	250
	25	dsl	2000	Nat 110	2475	200
	26-E	d-e	3200	C-E Electrohoist	4000	250
	27-E	d-e	3200	C-E Electrohoist	4000	250
Parker Drlg	123	dsl	1800	OIME SL1500	1800	180
	126	dsl	1400	OIME TBA2000	1400	150
	141	dsl	1800	OIME TBA2000	1800	180
	147	dsl	1400	OIME TBA2000	1400	150
	176	el	3200	OIME 2000E	2000	200
	191	dsl	3200	OIME 3000E	3000	200
	95	dsl	2600	Nat 130	3000	180
	96	dsl	2600	Nat 130	3000	200
	97	dsl	1400	Nat 80B	1400	150

ALASKA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
NORTH SLOPE (Cont'd)						
Rowan Drlg US	34	d-e	2000	Nat 110EH Special	3000	170
	35	d-e	2000	Nat 110EH Special	3000	170
	41	dsl	3200	Nat 1320UE	3300	250

ARIZONA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
APACHE						
Energy Search Drlg	1	dsl	1500	Cbot 900	900	100
NAVAJO						
LLL Drlg	2	dsl	1720	Cbot 750	860	100
PINAL						
Morrow Drlg	1	dsl	1360	Cbot 1287	350	40

ARKANSAS

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Layton Oil	8	dsl	450	Coop	300	65
COLUMBIA						
Aguila Drlg	11	mch	250	Trailer Mounted		60
Noble Drlg	E553	dsl	800	C-E A550	800	120
Shuler Drlg	5	dsl	325	Beth	350	50/ 3.5"
SH & J Drlg	1	dsl	807	Crdw O	800	100
	2	g-b	885	S/B N7	750	95
	3	dsl	807	Unit 34	350	73
Transcontinental Drlg-Magnolia	4	gas	700	C-E GB500	700	95
	54	dsl	800	Nat 50A	980	100
	7	dsl	1020	Olwl 78	1020	125
Verna Corp	21	dsl	550	MC	600	100
CONWAY						
Unit Drlg & Expl	6	dsl	600	MC U15	800	110
FAULKNER						
Arden Drlg	15	dsl	2000	OIME SL7	1000	160
FRANKLIN						
Grace Miller Drlg	103	gas	600	Nat 50	600	100
JOHNSON						
Dual Drlg	8	dsl	1250	Wils 75	750	95
Grace Miller Drlg	101	gas	450	Nat 50	450	70
	105	gas	300	S-H	145	55
	107	gas	450	MC U15	450	85
LAFAYETTE						
Helmerich & Payne Intl Drlg	79	d-s	2200	Nat 110UE	1500	200
Owen Drlg	7	dsl	1100	Idco H35	504	70
Sawyer Drlg & Serv	13	dsl	400	Wils Giant	400	90
	15	dsl	800	MC U40D	800	140
Shuler Drlg	8	dsl	475	S-H 7000	540	70
LOGAN						
Grace Miller Drlg	115	dsl	600	S-H	600	85
	119	dsl		BDW 650		120
New Prospect Drlg	1	dsl	950	S/B N46	950	120
	2	dsl	1000	S/B N75	1100	180
Unit Drlg & Expl	16	dsl	600	MC U15	800	110
MADISON						
Grace Miller Drlg	118	dsl	300	MC U34	350	70
MILLER						
Shuler Drlg	6	dsl	950	Wils SG	950	105
Transcontinental Drlg-Magnolia	5	dsl	1050	Olwl 76	1050	115
	94					
Vista Drlg	33	dsl	1000	S/B N7	1000	120
OUACHITA						
Shuler Drlg	1	dsl	325	S/B N4	350	50
POPE						
Alexander Drlg	4	dsl	450	W-N 250H40	425	70
C E C Drlg	1	dsl	1100	MC U15	800	100
Dual Drlg	6	dsl	600	C-E GB350	560	75

ARKANSAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
POPE (Cont'd)						
FWA Drlg	6	dsl	900	Wils 75	720	100
Grace Miller Drlg	104	gas	450	Nat 50	450	80
	116	gas	300	S-H 7000	380	75
Lanex Drlg	C-9	d-s	1600	BDW 650	650	120
Tierra Drlg	18	d-e	800	BDW 650	650	120
SCOTT						
C E C Drlg	3	dsl	1200	G-D 500	800	120
Henley Drlg	3	dsl	2475	S/B N12A	2475	250
	4	d-e	2600	C-E C2	2000	250
SEBASTIAN						
Astro Drlg	19	dsl	912	Wils Super Giant	912	125
	22	dsl	920	Beth M58	920	120
	23	dsl	1050	Cbot 2550	1040	150
Dual Drlg	5	dsl	1500	Wils Mogul	800	95
Grace Miller Drlg	106	gas	900	Nat 75	900	135
	109	dsl	1000	BDW 800		150
	112	dsl	350	S-H 6000	300	60
	114	dsl	600	Nat 50	600	100
	121	gas		S-H 7000		80
	123	dsl		BDW 800		150
UNION						
Hatcher & Son, H F	3	dsl	425	Wils Mogul 42	350	50
Shuler Drlg	4	dsl	700	C-E GB350	700	85
	7	dsl	380	S-H 6000	570	60
	9	dsl	475	S-H 7000	750	70

CALIFORNIA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Hunnicutt Camp Drlg	2	dsl	1520	Olwl 660	880	125
	6	d-e	4000	Nat 110	2000	180
COLUSA						
Hunnicutt Camp Drlg	3	dsl	1400	Nat CA50	640	105
Loffland Bros	232	dsl	1000	MC U15	1000	120
CONTRA COSTA						
Atlantic Oil	15	dsl	1020	Nat T32	340	75
Bawden Drlg, Peter (CA)	23	d-e	1700	C-E A800	1000	140
FRESNO						
Atlantic Oil	11	dsl	1350	Nat 80	1350	140
Montgomery Drlg	10					
	19					
GLENN						
Owens Serv, Jack	6	dsl	300	Idco H35	300	40
	8	dsl	900	Rig Equip	400	100
IMPERIAL						
Cleveland Drlg	6	d-e	2400	Nat 110UE	1500	200
Coastal Drlg	7	dsl	2000	C-E J750	825	105
Montgomery Drlg	4	dsl	2000	Olwl 96	1500	180
KERN						
Atlantic Oil	10	dsl	1020	Nat T32	370	75
	4	dsl	900	Nat 55	900	100
	5	dsl	680	Nat 50A	680	90
	8	dsl	1020	Nat T32	370	75
Barnes Core Drlg	711-D	dsl	750	HT 5500	450	55
California Prod Serv	D-1	dsl	500	Hoop GXXTA	461	40
	D-4	dsl	500	Hoop MTA	461	45
	M-17	dsl	300	Crdw K200C	308	40
	M-70	dsl	446	Idco H35CKD	424	40
	M-71					
	M-72	dsl	500	Idco H35CKD	424	40
	M-73	dsl	370	Idco H35CKD	424	40
Cardinal Drlg	27	dsl	1200	C-E GC500	1200	125
	29	dsl	800	C-E GA500	1200	100
Cleveland Drlg	1	dsl	1200	Olwl 96	1200	180
	2	dsl	600	S/B RR400	450	50
	3	dsl	1200	Nat 75CA	800	120
	4	dsl	2400	Idco Super 711E	1600	180
	5	d-e	2500	Idco Super 711	1500	180
	7	dsl	1000	Nat 75	800	120
	8	dsl	800	Idco 750	700	100
Coastal Drlg	2	dsl	900	Olwl 52T	550	75
Dahlquist Drlg	1	dsl	300	Tomeon 3000	250	25
	5	dsl	300	Fail 2000	180	18
Edwards Well Serv	D30	dsl		Idco	300	

CALIFORNIA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
KERN (Cont'd)						
Gary Drlg	D-10	dsl	628	Hoop	400	55
	D-11	dsl	800	C-E C50	800	80
	D-12	dsl	382	C-E GB160T	300	45
	D-13	dsl	450	C-E GB16T	300	40
	D-2	dsl	800	Nat T45	800	90
	D-3	dsl	628	C-E G350	800	80
	D-30	dsl	300	Idco 35		
	D-4	dsl	475	C-E GB160T	450	45
	D-5	dsl	382	Hoop GT34	300	25
	D-6	dsl	600	C-E GB160T	400	45
	D-7	dsl	381	Gary	200	20
	D-8	dsl	450	C-E GB160T	400	45
	D-9	dsl	628	Cbot	400	55
	1	dsl	450	Hoop	400	50
	14	dsl	800	Gary	640	90
	15	dsl	800	Gary	640	90
Golden State Drlg	D-10	dsl	750	Custom HT	450	55
	D-6	dsl	750	Custom HT	450	55
	D-8	dsl	750	Chal 78	450	55
Hylton Drlg	1	dsl	400	Nat T12	300	40
	4	dsl	380	HT MR10	150	30
	5	dsl	380	Idco H30	300	50
	7	dsl	300	Nat T12	380	40
	8	dsl	380	Idco H30	300	50
	9	dsl	400	Idco H30	300	50
K B Drlg & Prod	7			Coop		
Kellogg & Sons, K L	41	d-e	1000	Nat Con 75CA	700	110
Kenai Drlg West Coast	29	dsl	900	Wils Giant	1200	120
	6	dsl	850	C-E J750	800	100
Loffland Bros	125	d-e	2180	MC U914	2200	180
	328	dsl	2160	Nat 130	2400	220
	64	d-e	1290	MC U36EA	1200	100
	92	d-e	2160	MC U914CE	2200	180
	98	d-e	2000	MC U40E	1600	130
Marlin West	Marlin 11	d-s	2000	Nat 110	1600	180
	Marlin 12	d-s	2000	Nat 110	1600	180
Monterey Drlg	F	d-s	400	Idco H30E	500	80
Montgomery Drlg	12					
	14	dsl	1200	Olwl 66	700	105
	15	d-e	2000	Nat 75CB	1000	140
	16					
	18					
	3					
	45	dsl	2000	C-E GB800	750	120
	8					
	9					
NECK Drlg	1	gas	350	Wils Super	350	40
Pyramid Oil	3	dsl	400	Idco H30	300	30
RDC/Finley	20	dsl	2400	S/B N95	1800	180
	22	dsl	1900	MC U36A	950	100
Scandinavian Montgomery Drlg	11	dsl	1500	C-E GB800	1500	120
	3	dsl	1200	Nat 75	700	120
	8	dsl	1200	Nat 75	700	120
	9	d-e	2200	Nat 1320UE	3000	220
KINGS						
Marlin West	13	d-s	2000	Nat 110UE	1600	180
LAKE						
Monterey Drlg	8	d-e	1000	Nat 80B	2000	140
Montgomery Drlg	17	d-e	2000	Olwl 940E	2000	200
	6	dsl	1400	C-E GB800	1200	130
LOS ANGELES						
Atlantic Oil	3	dsl	680	Idco H40	370	75
Bawden Drlg, Peter (CA)	10	d-e	2300	Olwl 940E	1500	160
	18	d-e	2300	Nat 110M	1500	160
	22	d-e	1400	C-E M58	800	100
	38	d-e	1800	Olwl 940E	1500	85
Brinkerhoff-Signal	90	dsl	4000	G-D 1500E	2000	250
California Prod Serv	D-3	dsl	300	Idco H37D	461	45
	D-6					
	D-7	dsl	1000	Hoop MTA	654	65
Kellogg & Sons, K L	40	d-e	1000	Nat 610	700	110
Kenai Drlg West Coast	24	d-e	1500	Wils Titan	1000	130
	30	dsl	975	Idco H40D	400	65
Loffland Bros	165	gas	1600	MC U914C	1900	130
Montgomery Drlg	1	d-e	3200	Nat 1320UE	3645	250
Pool Offshore	427			OIME 1500		160
RDC/Finley	11	dsl	636	Idco H30	318	35
	16	dsl	636	Idco H35	318	40
	17	dsl	1100	Cbot 1287	636	70
	21	dsl	2100	Nat 55	1200	120
	6	dsl	636	Idco H40	475	55
Thompson Drlg	2	dsl	900	C-E GA250T	450	65
MERCED						
Coastal Drlg	1	dsl	550	Crdw KM250	250	55
MONTEREY						
Brinkerhoff-Signal	8	g-b	1000	G-D 800	1000	140
Melton Drlg	3	dsl	350	W-M	350	40
ORANGE						
Monterey Drlg	C	d-e	1000	Nat 100ME	1500	160
SAN BERNARDINO						
Atlantic Oil	2	dsl	1260	Nat 55	1260	110
SAN JOAQUIN						
Montgomery Drlg	43	e-s	2000	Nat 110UE	2000	200
SANTA BARBARA						
Bawden Drlg, Peter (CA)	27	d-e	1500	C-E A550E	1000	120
	50	d-m	1500	Nat 55	700	120
Big Chief Drlg	18	dsl	500	Hoop GXXTA	450	60
Kenai Drlg West Coast	4	dsl	978	Idco H40D	400	70
	5	dsl	1000	Nat T32	400	75
	8	dsl	325	W-M T5054	425	70
	9	dsl	850	Idco H40D	400	65
Loffland Bros	306	gas	1150	S/B N95	1300	170
Monterey Drlg	D	d-s	700	Nat 50A	700	100
Montgomery Drlg	2	d-e	2000	Olwl 940E	3000	180
SOLANO						
Atlantic Oil	12	dsl	850	Nat 50A	680	90
	6	dsl	810	Nat 80	1680	140
Cleveland Drlg	11	dsl	1000	Coop D50	400	75
	12	dsl	1500	Olwl 68	700	120
Hunnicutt Camp Drlg	1	dsl	950	Nat T32	320	90
	4	dsl	1400	Olwl 66	640	110
Monterey Drlg	A	d-e	1000	Idco 1040E	2000	180
Montgomery Drlg	7	dsl	1200	Nat 75	700	110
Owens Serv, Jack	4	dsl	300	Idco H35	150	40
	5	dsl	300	Idco H25	300	40
SONOMA						
Brinkerhoff-Signal	87	dsl	2000	Nat 80UE	2000	260
Loffland Bros	105	d-e	2160	MC U914EC	2200	180
	25	d-e	2160	MC U914CE	2200	180
	27	d-e	2160	MC U20	2200	170
	50	d-e	1420	MC U712A	1600	170
SUTTER						
Cleveland Drlg	14	dsl	1200	Olwl 500	800	120
TULARE						
Kenai Drlg West Coast	34	dsl	975	C-E GB350	800	90
VENTURA						
Atlantic Oil	18	dsl	1650	Nat 130	2475	200
Bawden Drlg, Peter (CA)	11	d-e	1600	C-E A800WE	1000	120
	24	d-e	1550	Nat 80E	1000	140
Kenai Drlg West Coast	7	dsl	800	MAC 400	425	70
Loffland Bros	16	dsl	1900	MC U914C	2000	180
	212	gas	2000	MC U914A	1600	180
	217	gas	1600	MC U914C	1900	180
YOLO						
Atlantic Oil	14	dsl	1020	Idco H		65
	7	dsl	1020	Nat T32	450	75
Hunnicutt Camp Drlg	5	dsl	960	Idco 525	480	90
Owens Serv, Jack	2	dsl	200	Idco H38	350	40
	7	dsl	700	Coop 350	350	40

COLORADO

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Allison Bros Drlg	1	dsl	320	Idco BIR800	920	100
	2	dsl	380	Crdw KB500	380	75
	7	dsl	475	Idco BIR800	950	100
Allison Drlg	15	dsl	720	S/B N7	720	100
	25	gas	435	G-D 500	435	100
	3	dsl	380	Crdw KB500	380	75
ADAMS						
Exeter Drlg Northern	12	dsl	500	Nat T45	750	95
	14	dsl	375	Beth C50	600	78
	23	dsl	500	MC U15	750	87
	25	dsl	375	MC U15	500	85
Western Well Drlg	1	dsl	350	Midway 2000	350	25
	2	dsl	350	Fall H2000	350	35
	3	dsl	350	Fall	350	40
ARAPAHOE						
Exeter Drlg Northern	6	dsl	330	Nat T20	300	60
ARCHULETA						
Energy Search Drlg	2	dsl	1500	Cbot 900	900	100
BACA						
Zenith Drlg	1	dsl	700	S/B N75	700	95
BENT						
Gibson Well Serv, J W	93	dsl	450	Cbot M1287	450	60
DOLORES						
Coleman Drlg	2	dsl	1100	Idco H40D	636	80
Nicor Drlg	36	dsl	1150	G-D 500	650	110
ELBERT						
Toltek Drlg	2	dsl	680	Nat 50A	875	105
GARFIELD						
Atco Drlg	3			S/B N4		60
Cardinal Drlg	2	dsl	864	C-E GA500	760	100
KIOWA						
Murfin Drlg	12	dsl	400	Beth C50	600	75
KIT CARSON						
Murfin Drlg	23	dsl	375	Idco 35	475	65
LA PLATA						
Arapahoe Drlg	7	g-b	700	Nat T45	700	100
Brinkerhoff-Signal	76	dsl	800	G-D M500	800	100
LARIMER						
Exeter Drlg Northern	22	dsl	500	MC U15	750	95
LINCOLN						
Murfin Drlg	14	dsl	400	Nat T45	700	90
	25	dsl	600	Nat 370	600	75
LOGAN						
Excell Drlg	2	dsl	375	671 GMC	210	33
	3	dsl	400	Fall 100	400	55
	4	dsl	230	Ewb M75	230	20
Exeter Drlg Northern	13	dsl	350	S/B N4	300	60
MESA						
Loffland Bros	12	dsl	840	Idco Hydrair H44CSC	868	100
Nicor Drlg	37	dsl	850	Fall LC90	340	70
	38	dsl	750	Wils 75	640	90
	39	dsl	750	Nat D300	300	55
	44	d-e	1500	G-D 500E	650	110
Tierra Drlg	16	dsl	650	S/B 4610	750	75
Veco Drlg	1	dsl	400	Fall 90	400	50
	5	dsl	1400	OIME 750	750	110
	6	dsl	1400	OIME 750	750	110
	7	dsl	1550	OIME 1000	1000	160
	8	dsl	800	S/B 45	750	100
	9	dsl	1200	Idco 725	750	110
MOFFAT						
Atco Drlg	5	dsl	326	Nat T32	326	75
	56	d-e	1800	Nat 80UE	1800	150
Brinkerhoff-Signal	79	dsl	550	Nat 370	800	85
Shelby Drlg	5	dsl	360	Coop LTO550	450	75
MONTEZUMA						
Dual Drlg	34	dsl	2000	C-E D3	1000	160
Loffland Bros	26	d-e	2000	MC U36	1600	110
	29	d-e	1400	MC U36A	1600	110
Mesa Drillers	1	dsl	600	Nat 50A	750	80
MONTROSE						
Loffland Bros	5	dsl	1220	Idco H1000	868	120
MORGAN						
Gibson Well Serv, J W	75	dsl	450	Crdw K8500	450	80
	98	dsl	700	Sup	700	100
RIO BLANCO						
Cardinal Drlg	4	dsl	560	C-E GB350T	760	85
Manning, R L	11	dsl	720	Nat 370	720	85
	19	dsl	925	Beth M58	980	100
	24	dsl	860	S/B N75	980	110
Parker Drlg	56	dsl	1000	OIME SD5	1000	125
Twin Arrow	309	dsl		S/B	575	60
ROUTT						
Atco Drlg	18	dsl	326		320	75
Nicor Drlg	43	d-e	1500	G-D 500E	650	110
WASHINGTON						
Toltek Drlg	4	dsl	440	MC U34	440	75
WELD						
Burris Drlg	119	dsl	450	MAC 400	500	105
Exeter Drlg Northern	1	dsl	500	Nat 50A	750	95

COLORADO (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
WELD (Cont'd)						
Exeter Drlg Northern	2	dsl	375	C-E GA250	460	75
	33	dsl	500	MC U15	750	85
	4	dsl	375	Nat T32	460	78
	40	dsl	500	MC U15	750	95
	5	dsl	300	MC U34D	300	60
Grace-Somac Drlg	93	d-e	3200	Nat 1320UE	2000	250
True Drlg	19	dsl	1000	Nat 50A	1000	120
	26	dsl	900	Idco H725SC	900	100
	27	dsl	900	Idco H725SC	900	100

FLORIDA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
COLLIER						
Penrod Drlg	108	dsl	1000	Nat 80B	1760	150
SEE Land Drlg	14	dsl	1500	RMI	1000	150
ESCAMBIA						
Tesoro Drlg	2	dsl	2600	Nat 1320M	2742	200
OKALOOSA						
Murco Drlg	18	dsl	2800	MC U1220	2400	250
SANTA ROSA						
Dual Drlg	22	dsl	3200	Nat 1320M	2000	220
Murco Drlg	14	d-s	3200	G-D 1500	2800	250
Penrod Drlg	15	dsl	3000	G-D 2100	2200	300
TAYLOR						
Justiss Oil	11	dsl	1200	C-E GB800	1600	140

IDAHO

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
CARIBOU						
Loffland Bros	57	d-e	1800	Nat 80B	2000	160

ILLINOIS

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
CLAY						
Precision Expl	5	dsl	400	Nat T12	385	45
CLINTON						
Mitchell Drlg, Geo N	4	dsl	400	S/B N4	400	60
CRAWFORD						
Nicor Drlg	54	d-m	400	Idco H35CKD	500	43
EDWARDS						
Harris Drlg	1	dsl	500	Nat T12	360	40
Mitchell Drlg, Geo N	6	dsl	400	Wils Super 38	400	60
Smith Drlg	11	dsl	450	Nat T20	480	60
	3	dsl	375	Nat T12	375	50
Wilson Inc, Les	17	dsl	500	Idco H37	550	60
HAMILTON						
Precision Expl	2	dsl	400	Nat T20	400	55
Ram Drlg	1	dsl	1800	Idco HD35	1800	60
JASPER						
Precision Expl	3	dsl	400	Nat T16	400	55
LAWRENCE						
Smith Drlg	8	dsl	350	Chal M280	380	45
MARION						
Mitchell Drlg, Geo N	7	dsl	400	Idco H35	400	65
RICHLAND						
Precision Expl	1	dsl	400	Nat T20	400	55
Smith Drlg	9	dsl	320	Nat T12	320	40
SALINE						
Mitchell Drlg, Geo N	5	dsl	400	S/B N4	400	60
WABASH						
Beard Drlg (IL)	1	dsl	400	Nat T12	350	45
Smith Drlg	2	dsl	350	Nat T8	238	25
WASHINGTON						
Oelze, Elmer Jr	1	dsl	475	Lee 650	475	85
	2	dsl	475	W-N 25040	380	60
	3	dsl		W-N S34A	160	50
	4	gas		Crdw HL	140	40
WAYNE						
Barr Drlg	1	dsl	378	Nat T12	286	50

ILLINOIS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
WAYNE (Cont'd)						
Gallagher Drlg	4	dsl	500	Beth S45E	476	60
Mitchell Drlg, Geo N	9	dsl	600	G-D 500M	600	90
Precision Expl	4	dsl	400	Nat T20	400	55
Wilson Inc, Les	15	dsl	500	Idco H35	400	50
WHITE						
Gallagher Drlg	5	dsl	300	Nat T12	310	35
	7	dsl	350	Nat T20	475	50
	8	dsl	350	Nat T12	450	40
Harris Drlg	4	dsl	500	Nat 50	360	60
Lohmann Inc, J Roy	21	dsl		Nat T12		40
Mitchell Drlg, Geo N	1	dsl	400	Beth SN45	400	60
P E P Drlg	6	dsl	550	Idco H35S	350	65
Snyder Drlg Well Serv	1	dsl	400	S/B 55	400	65
	2	dsl	400	Beth 545	400	60
Wilson Inc, Les	12	dsl	500	Idco H35	400	50

INDIANA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
GIBSON						
Big Seven Drlg	7	dsl	450	C-E GB250	400	60
Davis Drlg, D L	1	dsl	300	Wils Mogul 38	300	35
Lightning Drlg & Constr	2	dsl	300	Dresser T70W	300	32
Ram Drlg	3	dsl	360	Nat T12	360	40
Smith Drlg	7	dsl	450	G-D 2500	350	35
PERRY						
J-V Drlg	8	dsl	145	Speedstar SS15S	145	16/ 3.5"
POSEY						
Kendall Drlg	2	dsl	450	S/B N4	350	55
Lohmann Drlg	9	dsl	300	Nat T12	300	35
Ram Drlg	2	dsl	1800	Nat T12	1800	50
VANDERBURGH						
J-V Drlg	6	dsl	145	Speedstar SS15S	145	16/ 3.5"
	9	gas	85	Cbot F	85	600/ 2.88"
WARRICK						
Gwaltney Drlg	1	dsl	300	Nat T12	225	30

KANSAS

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Allen Drlg	3	dsl	525	Idco H30	425	50
Edco Drlg	1	dsl	375	Sullivan 300A	318	30
	2	dsl	375	Sullivan 300	375	30
	3	dsl	125	Crdw J101	235	750
	4	dsl	125	Davey	235	750
	5	dsl	475	Crdw KB200	375	45
	6	dsl	375	Crdw KB150	318	35
Husky Drlg	2	dsl	350	Idco H35	650	80
Rains & Williamson Oil	11	dsl	300	S/B	500	45
Wakefield, Earl F	1	dsl	440	MC U34	440	50
	7	dsl	640	C-E GB160T	640	50
Zenith Drlg	2	dsl	600	C-E GB350	600	85
	4	dsl	1100	MC U15	1100	120
	6	dsl	600	C-E GB350	600	85
	8	dsl	600	C-E GB350	600	85
	9	dsl	1200	G-D 800	1200	170
BARBER						
FWA Drlg	32	dsl	600	Wils Mogul 42	375	60
Graves Drlg	1	dsl	300	S/B N4	400	60
Heartland Drlg	1	dsl	500	Idco H35S	650	65
H30 Drlg	5	dsl	510	Idco H35	510	65
Slawson Drlg	5	dsl	360	Idco H525	480	75
Sterling Drlg (KS)						
BARTON						
Abercrombie Drlg	10	dsl	365	Cbot Tri Mtd	220	45
	11	dsl	600	C-E 350	700	75
Allen Drlg	1	dsl	400	Nat T32	425	60
	4	dsl	350	Nat T20	425	45
Bergman Drlg	1	dsl	350	C-E	350	55
H30 Drlg	7	dsl	280	MC Mac400	312	80
Lauck Oil, D R	2	dsl	350	S/B N45	400	60
Peters Drlg	8	dsl	250	Crdw DB200	250	60
Red Tiger Drlg	4	dsl	700	C-E Gas 250	700	55
White & Ellis Drlg	10	dsl	410	Beth S45E	410	50
	2	dsl	425	C-E GA250	475	45
BUTLER						
Brandt Drlg	3	dsl	350	W-N R4	330	35
McAllister Drlg	1	dsl	280	Idco H30	312	55

KANSAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
BUTLER (Cont'd)						
White & Ellis Drlg	3	dsl	345	Nat T12	345	45
	4	dsl	300	C-E GA250	300	50
	5	dsl	300	C-E GA150	475	40
CHAUTAUQUA						
Range Drlg	2	dsl	350	Wils Giant	350	55
CLARK						
Eagle Drlg	1	dsl	600	Nat 370	650	70
H30 Drlg	3	dsl	280	Idco H40	312	80
Murfin Drlg	22	dsl	600	Nat 370	600	75
Pickrell Drlg	10	dsl	370	MC U15	370	55
Rine Drlg	8	dsl	700	S/B N55	700	85
TMBR Drlg	31	dsl	600	MC U15	500	70
COMANCHE						
Aldebaran Drlg	2	dsl	525	Nat T32	500	72
COWLEY						
Cardinal Drlg	34	dsl	400	C-E GB160	400	45
Range Drlg	3	dsl	350	MC U10A	350	55
EDWARDS						
Damac Drlg	1	dsl	310	Wils Giant	310	60
Murfin Drlg	19	dsl	525	Wils Super Mogul 42	525	65
ELLIS						
Big Springs Drlg	3	dsl	450	S/B N4	450	50
Buffalo Drlg Co	7	dsl	360	S/B N4	460	55
Buffalo Drlg Inc	1	dsl	500	S/B N4	400	60
Gabbert-Jones	8	dsl	450	Nat T32	450	60
H30 Drlg	2	dsl	280	MAC 400	312	80
Jay-Lan Corp	3	dsl	3406	Wils 42	825	60
KANDRILCO Inc	1	dsl	375	C-E GA250T	475	55
Red Tiger Drlg	9	dsl	700	MC U10	700	60
Wheatstate Oilfield	3	dsl	340	C-E 250	425	50
ELLSWORTH						
Rockhold Engr	3	gas		Crdw RL	150	
White & Ellis Drlg	9	dsl	410	S/B N46	750	105
FINNEY						
Cheyenne Drlg	1	dsl	450	Oiwl 52T	525	65
Rains & Williamson Oil	2	dsl	450	Oiwl 52-T	450	67
FORD						
Dunne-Gardner Petr	1	dsl	350	C-E 250	450	50
GARY						
Leben Drlg	11	dsl	500	G-D 3000	500	70
GOVE						
Red Tiger Drlg	10	dsl	700	TSM 6000	700	70
Strata Drlg	1	dsl	500	MC U15	800	75
GRAHAM						
Abercrombie Drlg	9	dsl	365	Beth Breeze	365	55
Big Springs Drlg	1	dsl	360	Beth S4513	360	50
Farmer, John O	4	dsl	400	Idco H30	400	60
GREELEY						
Cheyenne Drlg	5					
GREENWOOD						
Berentz Drlg	3	dsl	440	Nat T12	500	38
HARPER						
Big Springs Drlg	2	dsl	360	Nat T32	360	55
Gabbert-Jones	6	dsl	450	Nat T32	310	[illegible]
R R A Inc	1	dsl	335	Coop 350	325	65
Sweetman Drlg	1	dsl	750	Nat 370	750	90
Wheatstate Oilfield	2	dsl	450	Mini-Max 15	450	65
HODGEMAN						
Beredco	2	dsl	525	Nat 370	575	70
DNB Drlg	2	dsl	500	Nat T32	525	65
Peters Drlg	4	dsl	250	Crdw RL	250	60
White & Ellis Drlg	8	dsl	410	C-E 350	750	75
KINGMAN						
Brandt Drlg	2	dsl	350	Nat 370	600	75
KANDRILCO Inc	2	dsl	375	MAC 400	475	55
Rains & Williamson Oil	3	dsl	525	Crdw J350	525	67
KIOWA						
Abercrombie Drlg	6	dsl	365	Idco H35	365	60
Aldebaran Drlg	3	dsl	525	Idco	600	72
Gabbert-Jones	9	dsl	310	Nat T32	450	60
Red Tiger Drlg	1	dsl	700	MC U15	700	60
LANE						
Abercrombie Drlg	1	dsl	365	MC U34	365	50

KANSAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
LANE (Cont'd)						
Beredco	3	dsl	500	MC U15	800	75
Murfin Drlg	16	dsl	400	C-E S45E Beth	400	60
Slawson Drlg	6	dsl	360	Idco H525	480	75
LOGAN						
Abercrombie Drlg	5	dsl	750	Idco 725	600	100
Slawson Drlg	3	dsl	480	Idco H35	480	70
McPHERSON						
Blackstone Drlg	3	dsl	300	BDW 450T	300	50
MARION						
Kansas Drlg & Well Serv	1	dsl	365	Cbot 1058	300	40
	2	dsl	265	Coop 4242	235	20
	4	dsl	750	KREMCO K600	500	70
	5	dsl	750	Crdw KB200C	400	60
MEADE						
Damac Drlg	8	dsl	310	Idco H35S	450	75
Sage Drlg	2	dsl	400	Olwl T52	400	67
MONTGOMERY						
Layton Oil	1	dsl	150	Wils DBL	100	15
	2	dsl	180	Fall 1500	100	15
MORTON						
Gabbert-Jones	11	dsl	310	Nat 370	450	60
Sage Drlg	1	dsl	400	Nat T32	400	65
NEMAHA						
Brandt Drlg	1	dsl	350	Beth S50	450	50
Hamm Drlg	1	dsl	400	W-N Apache	425	60
McAllister Drlg	2					
NEOSHO						
Carter Land & Cattle	1	dsl	250	G-D 1000	350	10
	2	dsl	250	G-D 1000	350	10
NESS						
Abercrombie Drlg	7	dsl	365	MC U34	365	50
Aldebaran Drlg	1	dsl	525	S/B N42	600	72
H30 Drlg	11	dsl	280	Idco H30	312	55
Slawson Drlg	2	dsl	360	Idco H525	480	75
OSBORNE						
Red Tiger Drlg	8	dsl	700	C-E GA250T	700	55
PHILLIPS						
Abercrombie Drlg	4	dsl	365	Idco H35	365	85
Red Tiger Drlg	7	dsl	700	C-E GA250T	700	55
PRATT						
DNB Drlg	3	dsl	450	Nat T20	350	50
Freeman Drlg	1	dsl	525	Idco H40	600	85
Lauck Oil, D R	1	dsl	350	MC U15	400	60
Leben Drlg	7	dsl	500	G-D 3000	500	70
Pickrell Drlg	1	dsl	450	MC U15	450	65
Red Tiger Drlg	6	dsl	700	Idco H35	700	60
Trans-Pac Drlg	1	dsl	500	Idco H35SC	650	65
Wheatstate Oilfield	1	dsl	340	Idco H35	525	60
Zenith Drlg	7	dsl	550	S/B N4	500	70
RAWLINS						
Murfin Drlg	24	dsl	525	Idco H35	475	65
Stoeppelwerth Drlg	3	dsl	500	Nat 370	500	65
RENO						
Blackstone Drlg	4	dsl		BDW	450T	40
Sterling Drlg (KS)	1	dsl	350	MC U34	285	46
RICE						
Allen Drlg	2	dsl	350	Idco H25	425	45
Damac Drlg	7	dsl	385	S/B N4	385	60
J W Drlg	1	dsl	380	MC U15	380	60
Red Tiger Drlg	3	dsl	700	Idco H35	700	55
Sterling Drlg (KS)	2	dsl	350	MC RV34B	285	48
	5	dsl	350	C-E GB350	600	70
	8	dsl	350	G-D 2000	350	28
ROOKS						
Galloway Drlg	1	dsl	300	Nat T32	300	50
Murfin Drlg	15	dsl	400	Idco H35	475	65
Red Tiger Drlg	2	dsl	700	C-E GA250	700	55
RUSSELL						
Duke Drlg	1	dsl	375	MC	375	50
	2	dsl	250	Nat	250	50
Rains & Williamson Oil	9	dsl	300	Beth	300	45
Red Tiger Drlg	5	dsl	700	Unit U15	700	60
Shields Drlg	2	dsl	300	Beth C50	300	55

KANSAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
SALINE						
Rains & Williamson Oil	4	dsl	400	S/B N4	450	55
Range Drlg	1	dsl	350	Cbot SAL4500	440	35
SCOTT						
Slawson Drlg	1	dsl	360	Idco H35	360	55
SEDGWICK						
Duke Drlg	3	dsl				
White & Ellis Drlg	7	dsl	300	MC U34	475	40
SEWARD						
Bohannan Drlg, J B	1	dsl	950	Idco 725	750	100
Gabbert-Jones	12	dsl	450	S/B N42	525	80
Lanex Drlg	C-8	d-s	1600	BDW 650	650	120
N R G Drlg	1	dsl	560	Wils Mogul 42	560	70
Rains & Williamson Oil	5	dsl	400	Idco H40	525	70
Tierra Drlg	17	d-e	800	BDW 650	650	120
SHERIDAN						
Abercrombie Drlg	8	dsl	365	Beth S50	365	55
Dunne-Gardner Petr	2	dsl	400	Idco H35	450	70
Murfin Drlg	21	dsl	375	Idco H35	475	65
STAFFORD						
Allen Drlg	5	dsl	525	Nat 370	600	70
L D Drlg	1	dsl	410	Beth S45A	300	45
Rockhold Engr	7	gas		W-N	200	
STEVENS						
Tried Drlg	1	dsl		Nat T32	475	80
SUMMER						
Slawson Drlg	4	dsl	6500	Idco H35	360	75
THOMAS						
Murfin Drlg	2	dsl	400	Nat T32	400	60
TREGO						
Abercrombie Drlg	12	dsl	385	Beth Freeze	300	55
Murfin Drlg	8	dsl	400	Nat T20	400	50
WICHITA						
Cheyenne Drlg	4	dsl	600	Nat 370	600	85

KENTUCKY

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Royco Drlg	1	dsl	300	Crdw	335	55
	2	dsl	300	G-D 3000	200	50
DAVIESS						
Crescent Drlg	7	dsl	1200	Beth Toro	1200	120
HENDERSON						
Big Seven Drlg	11	dsl	360	C-E GB160	335	40
Crescent Drlg	4	dsl	400	Beth S45	400	40
Kendall Drlg	3	dsl	450	S/B N4	300	55
Lightning Drlg & Constr	1	dsl	325	Idco 20	400	38
Lohmann Inc, J Roy	6	dsl	600	Nat 50	600	65
HOPKINS						
Kendall Drlg	1	dsl	450	Nat T12	300	40
W W Corp	1	dsl	450	G-D 3000	450	50
Weal Drlg	1	dsl	325	Nat T12	360	40
MUHLENBERG						
Crescent Drlg	8	dsl	400	Beth S45	400	50
UNION						
Mitchell Drlg, Geo N	8	dsl	400	MAC 300	300	42
WEBSTER						
Weal Drlg	2	dsl	335	Crdw S	335	40

LOUISIANA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
American Well Serv & Drlg	14	dsl	1700	S/B HI4610A	575	105
	15	dsl	1700	S/B DH14610	900	120
Butler-Johnson	1	dsl	1900	S/B N85	1900	150
	10	dsl	1500	G-D M800	1500	140
	13	dsl	1200	S/B N75B	1200	130
	15	dsl	1000	Nat 80B	1950	150
	3	g-b	1200	C-E A550	1200	135

LOUISIANA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED (Cont'd)						
Butler-Johnson	4	dsl	1200	S/B N75	1200	125
	5	dsl	1800	S/B N95	1800	200
	6	dsl	2000	S/B N85	1900	150
	8	dsl	2300	G-D 1500	2200	200
	9	dsl	1200	G-D 700	1200	120
Harris Well Serv	17	dsl	316	Idco H35	316	75
	18	dsl	316	Idco H35	316	75
	19	dsl	316	Idco H35	316	75
	21	dsl	316	Idco H35	316	75
	22	dsl	316	Idco H35	316	75
	23	dsl	316	Idco H37	480	80
	24	dsl	316	Idco H35	316	75
	25	dsl	632	Idco H44	632	100
	26	dsl	632	Idco H44	750	100
	27	dsl	316	Idco H35	316	75
	28	dsl	316	Idco H35	316	75
	29	dsl	316	Idco H35	316	75
	30	dsl	2000	Idco 1200	1400	135
	31	dsl	316	Coop LTD350	316	75
	32	dsl	316	Idco H35	316	75
	33	dsl	900	Idco H44	900	100
NL Well Serv	267	dsl	700	Cbot 2042	800	75
	268	dsl	300	Cbot 1287	456	50
	277	dsl				
Santa Fe Drlg	120	d-e	3400	C-E C311E	3000	250
ACADIA						
Bailey Drlg, Pernie	5	dsl	1500	Nat 55	1100	120
Comet Drlg	10	dsl	1700	Cbot 900	900	105
	4	dsl	1700	S/B N75	900	120
	6	dsl	2550	Idco Super 7-11	1700	180
Delta Drlg	16	dsl	2600	Nat 130	2250	250
	96	d-e	2600	C-E C1 Type II	3456	200
Glasscock Drlg	69	dsl	2700	Nat 1320	2700	200
Great Southern Oil & Gas	5	dsl	500	Wils	318	70
Grey Wolf Drlg	10	dsl	2000	C-E C1	2000	180
Nicklos Drlg	28	d-e	3000	C-E Electrohoist III	3600	250
Nicor Drlg	32	d-e	2700	MC 1220EB	2000	250
Penrod Drlg	11	dsl	2600	Nat 1320M	3425	250
	14	dsl	3075	S/B N12A	1840	200
	17	dsl	2600	Nat 1320M	3425	250
	27	dsl	2600	C-E C2	2000	250
Power Rig Drlg	10	dsl	2600	C-E A1500	1450	300
	17	d-e	2000	Idco E1700	2400	160
	20	dsl	1850	Idco E900	900	130
Richards Drlg	10	d-e	3400	Olwl E3000	3000	300
ASCENSION						
Loffland Bros	167	dsl	2160	MC U914C	2400	200
Quarles Drlg	19	dsl	1800	Olwl 96	1200	150
ASSUMPTION						
Cliffs Drlg	16	dsl	2600	Nat 1320	2475	250
Explorer Drlg	26	dsl	2000	MC U712EA	2730	180
Glasscock Drlg	65	dsl	2200	Nat 110	1700	160
Merit Drlg	1	d-s	2800	Olwl 2000E	2000	250
AVOYELLES						
Power Rig Drlg	12	dsl	3200	C-E A1500M	2200	300
BEAUREGARD						
Challenger Drlg	21	dsl	900	S/B N75	1000	120
Glasscock Drlg	63	dsl	2200	Nat 110	1700	160
Nicor Drlg	78	d-m	2125	Nat 100	750	140
BIENVILLE						
Sawyer Drlg & Serv	9	dsl	800	S/B N45-M	800	100
Transcontinental Drlg-Magnolia	83	dsl	1000	G-D 800	1000	150
BOSSIER						
Butler-Johnson	2	dsl	1900	S/B N85	1900	150
D B Drlg-Shreveport	18	dsl	1040	Schaf SC800	1040	140
Justiss Oil	27	dsl	700	Beth MC450	900	120
Lagersen Drlg	6	d-e	2000	Idco 2500E	2500	220
Mosley Well Serv	7	dsl		Cbot	475	100
Nelson Drlg & Well Serv	1	dsl	600	S-H 7000	600	100
	2	dsl	1000	S/B N75	1000	130
Noble Drlg	N-81	dsl	1420	Nat 80	1420	140
Remco Drlg	1	dsl	900	Cbot 2042	475	100
	2	dsl	1200	S/B TR800	800	120
Sawyer Drlg & Serv	12	dsl	900	Wils Giant	900	120
	4	dsl	1000	S/B N7	1000	125
	6	gas	1200	S/B N75	1200	130
Verna Corp	27	dsl	1000	MC U15	600	100
CADDO						
Bailey Drlg	1	dsl	1700	Cbot 2550	1000	135
	4	dsl	500	MC U31	350	65
Continental Drlg	11	d-e	2600	Idco E1700	1700	190
D B Drlg-Shreveport	28	dsl	1650	C-E EDA	1650	160
	29	dsl	1350	Nat 75CB	1350	140
	30	dsl	1200	Beth 450	1200	125

LOUISIANA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
CADDO (Cont'd)						
Grace France Drlg	6	dsl	1300	Nat 610	900	130
Justiss Oil	5	dsl	450	Beth S45E	300	65
Transcontinental Drlg-Magnolia	1	dsl	350	C-E GB250T	350	65
	22	dsl	750	S/B N7	750	110
	86					
Vista Drlg	25	dsl	1000	Idco Super 750	800	125
	31	dsl	600	S/B N4	400	71
Wheless Drlg	1	d-e	3200	C-E C2 Type II	2000	250
	4	dsl	1800	C-E J1100	1800	160
CALCASIEU						
Cliffs Drlg	32	dsl	2600	Nat 110	2475	200
Explorer Drlg	24	dsl	2000	MC U36	800	100
Glendel Drlg	6	d-e	2000	G-D 1100E	2000	180
Goldrus Drlg	2	d-e	2000	Olwl E2000	2000	250
Great Southern Oil & Gas	37	dsl	1000	Idco	636	100
Grey Wolf Drlg	4	dsl	1500	C-E GB800	800	125
Merit Drlg	4	d-s	2800	Olwl 2000E	2000	250
Moran Bros	38	d-s	3200	C-E C2 Type II	2000	250
Nicor Drlg	74	d-m	2900	Nat 1320M	2000	250
NL Well Serv	247	dsl	700	Cbot 2042	600	75
CALDWELL						
Justiss Oil	38	dsl	2600	C-E J1100	2600	200
Nowotny & Conley Drlg	4	dsl	1600	Nat 610	800	130
CAMERON						
Comet Drlg	8	dsl	1700	Cbot 1200	1200	135
CRC Mallard Well	19	dsl	1300	Wils 90	800	145
Delta Drlg	82	d-s	3200	C-E C2 Type II	3456	250
Eljay Drlg	1	d-s	2800	Olwl E2000	2000	250
Glasscock Drlg	64	dsl	2200	Nat 110	1700	160
	68	dsl	2700	Nat 1320	2700	200
	71	dsl	1100	Nat 110	1500	200
Goldrus Drlg	9	dsl	1750	Beth M610	1560	160
Nicor Drlg	77	d-m	2300	Nat 100	750	160
Power Rig Drlg	18	dsl	3200	C-E C2	2000	250
Quarles Drlg	16	dsl	2000	Idco Super 711	1100	170
Woolf & Magee	4	dsl	850	Idco H35	500	100
CATAHOULA						
Helmerich & Payne Intl Drlg	75	dsl	3300	Nat 1625M	3845	300
New Drlg, David	5	dsl	450	S-H 5000	500	70
	9	dsl	450	S-H 5000	550	70
CLAIBORNE						
H & S Drlg	2	dsl	1700	S/B N95	2145	140
Sawyer Drlg & Serv	14	dsl	540	Duggan DS5	540	95
	2	dsl	400	S/B N4	400	85
Transcontinental Drlg-Magnolia	23	dsl	1000	S/B N75	1000	120
Wheless Drlg	3	dsl	1800	C-E C13	1800	180
CONCORDIA						
D & D Drlg	1	dsl	325	S/B N4A	350	80
	3	dsl	450	S/B N45	500	82
Justiss Oil	17	dsl	350	Beth S45E	350	75
New Drlg, David	12	dsl	800	Wils Giant	800	130
	6	dsl	450	Beth C50	600	110
Rebel Drlg	2	dsl	350	Beth S455	350	80
DE SOTO						
Sawyer Drlg & Serv	11	dsl	600	Wils Giant	400	90
Verna Corp	23	dsl	550	MC U15	600	100
EAST BATON ROUGE						
Glasscock Drlg	66	dsl	2700	Nat 1320	2700	200
Goldrus Drlg	22	dsl	1250	Cbot 1000	872	135
Helmerich & Payne Intl Drlg	73	d-e	2835	Olwl 3000M	3400	300
JFP Well Serv	4	dsl	2000	Olwl E2000	2000	250
Loffland Bros	114	d-e	3300	MC U1220EBD	3300	300
	116	d-e	3300	MC U1220EBD	3300	300
	21	d-e	3200	MC U1220EBD	2500	300
	330	dsl	2400	MC U1220	2775	220
Nicor Drlg	58	dsl	1100	MC U15	700	120
Noble Drlg	OW-21	d-e	3300	Olwl E2000	3300	250
Parker Drlg	174	dsl	3000	OIME Hercules 3000E	3000	300
Penrod Drlg	110	dsl	1600	Nat 1625M	2200	300
	2	dsl	2600	C-E C2	3425	250
	4	dsl	3425	C-E C3	2200	300
	5	d-e	3425	C-E C3	3200	300
EAST FELICIANA						
New Drlg, David	10	dsl	900	C-E GB500	600	115
Noble Drlg	E1102	dsl	1870	C-E A1100	1870	180
EVANGELINE						
Goldrus Drlg	1	d-e	2000	Olwl E3000	3000	300
	4	dsl	1200	S/B N75	1040	140
Wilson Bros Drlg	7	dsl	1400	Nat 80B	1400	125
IBERIA						
Bay Drlg	1	dsl	3600	Nat 1320M	3600	250/5"
CRC Mallard Well	17	dsl	1300	Wils 90	800	145
NL Well Serv	269	dsl	304	Cbot 1287	300	
Richards Drlg	2	dsl	1500	S/B N75	1200	125
IBERVILLE						
Comet Drlg	12	dsl	1700	Cbot 1200	1200	135
Explorer Drlg	10	dsl	1836	Beth	1750	125
Grey Wolf Drlg	6	d-e	3000	C-E C11	2000	250
JACKSON						
Culver Drlg	14	dsl	2400	MC U914	2400	160
	20	dsl	2000	Nat 1320	2000	250
JEFFERSON						
Explorer Drlg	16	dsl	1350	MC U1220E13	3300	250
JEFFERSON DAVIS						
Bailey Drlg, Pernie	2	dsl	2000	Nat 80B	1950	140
Comet Drlg	14	dsl	2600	G-D 1500	2600	250
Delta Drlg	85	d-s	3900	C-E C2 Type II	3456	250
Exeter Drlg Southern	32	dsl	2800	G-D 1500	2800	250
Grey Wolf Drlg	3	d-e	3000	C-E ECB	2000	250
Resource Drlg	11	dsl	3105	Nat 1625	3740	300
Wilson Bros Drlg	10	dsl	2200	Nat 110	2100	200
	5	dsl	2600	Nat 110M	2700	200
	6	dsl	2600	Nat 1320	2700	300
	8	dsl	1750	Nat 110	1750	160
LA SALLE						
Justiss Oil	37	dsl	200	J-M500	225	50
Rebel Drlg	3	dsl	500	Idco H30	400	90
LAFAYETTE						
Cliffs Drlg	26	dsl	2000	Nat 110	1650	180
Culver Drlg	10	dsl	1500	Nat 110	1500	160
Decca Drlg	21	dsl	1600	MC 914C	2100	180
Diamond M Land Drlg	174	dsl	2600	Nat 110M	2550	160
Dual Drlg	21	dsl	2600	C-E C1	1500	220
Explorer Drlg	12	dsl	1350	Idco 700	2730	95
	14	dsl	1300	Cbot 2650	2000	135
	18	dsl	1300	Cbot 2650	2000	135
	20	dsl	800	S/B TR800	2000	110
	30	dsl	2000	S/B TR800	1400	200
	6	dsl	1300	MC	2730	200
Grey Wolf Drlg	8	d-e	3000	C-E C2 Type II	2000	250
JFP Well Serv	6	dsl	2000	Olwl E2000	2000	250
M G F Drlg-Lafayette	42	dsl	1500	Olwl 96	1500	160
Nicor Drlg	73	d-m	1000	Cbot 2550TRD	1200	150
	76	d-m	1825	Nat 75	750	150
Power Rig Drlg	19	dsl	3000	C-E C3	3300	300
	24	d-e	3300	C-E C3	3000	400
Williams Drlg	1	d-e	3200	G-D 1500	2000	250
	2	d-e	3200	G-D 1500	2000	250
Wilson Bros Drlg	11	dsl	2400	Nat 110	2700	200
	3	dsl	2600	Nat 1320	2700	300
	9	dsl	2600	Nat 110	2700	200
LAFOURCHE						
CRC Mallard Well	20	dsl	1300	Wils 90	800	145
Delta Drlg	97	dsl	2000	C-E J1100	1560	160
	25	dsl	2300	C-E C1 Type III	2592	180
Glendel Drlg	5	d-e	2000	G-D 1100E	2000	180
Goldrus Drlg	10	dsl	1250	Beth MA610	1176	130
	11	dsl	1500	S/B N12A	2000	160
	8	d-e	1750	Olwl 840E	1700	180
Loffland Bros	145	dsl	2955	MC U1220	2955	200
M G F Drlg-Lafayette	47	dsl	1800	Idco S711	1500	180
Murco Drlg	26	dsl	2800	Olwl N2000-B	3000	300
New Drlg, David	7	dsl	500	MC U34	525	80
Nicklos Drlg	25	dsl	2000	C-E A1500	2119	200
Nicor Drlg	34	d-e	2000	MC U914EC	1400	210
Power Rig Drlg	15	dsl	2350	C-E C1 Type III	1950	160
Rio Colorado Drlg	120					
Wilson Bros Drlg	23	d-e	2800	Olwl E2000	2000	250
	4	dsl	2600	Nat 110	2700	200
LINCOLN						
Dual Drlg	11	dsl	2600	Olwl 860	1400	180
Nowotny & Conley Drlg	7	dsl	1600	Nat 610	800	130
Rosamond Drlg	7	dsl	1450	S/B N10	1275	135
	9	dsl	925	G-D 700	1300	160
LIVINGSTON						
Cliffs Drlg	24	dsl	2600	Nat 1320	2475	250
Goldrus Drlg	6	d-e	3400	Olwl E2000	1700	200
LIVINGSTON (Cont'd)						
Grey Wolf Drlg	2	d-e	3000	C-E C11	2000	250
	5	d-e	3000	C-E EDA	2000	250
	7	d-e	3000	C-E C11	2000	250
Helmerich & Payne Intl Drlg	83	d-e	2800	Olwl E2000	2000	260
JHJ Drlg	4	dsl	1000	OIME SL7	1400	170
	5	dsl	1000	OIME SL7	1400	170
New Drlg, David	11	dsl	900	C-E GA500	600	115
Nicor Drlg	18	dsl	1050	MC U15	700	125
	67	d-e	1700	Olwl 66OE	800	120
NATCHITOCHES						
Penrod Drlg	28	dsl	3425	Nat 1320M	2200	250
OUACHITA						
Justiss Oil	9	dsl	800	C-E GC500	1200	125
Nowotny & Conley Drlg	2	dsl	2000	OIME SL-1000	1200	150
PLAQUEMINES						
Bailey Drlg, Pernie	7	dsl	1200	G-D 800	1200	110
Cliffs Drlg	18	dsl	2600	Nat 110	2475	200
CRC Mallard Well	15	dsl	1300	Wils 90	800	145
M G F Drlg-Lafayette	41	dsl	1600	Olwl 96	1600	150
Nicor Drlg	68	dsl	2100	MC U712A	1200	160
POINTE COUPEE						
Cliffs Drlg	43	d-e	2600	Nat 1320UE	3300	250
Decca Drlg	23	dsl	1800	Nat 1320M	2700	250
Dual Drlg	28	dsl	3400	Olwl E3000	2000	300
Eljay Drlg	3	d-s	3400	Olwl E3000	3000	300
	4	d-s	3400	Olwl E3000	3000	300
Glasscock Drlg	74	dsl	1800	Nat 1625M	3000	300
M G F Drlg-Lafayette	401	d-e	1600	Nat 320UE	2000	250
Parker Drlg	165	dsl	3000	OIME Hercules 3000E	3000	300
	175	dsl	3000	OIME Hercules 3000E	3000	300
Penrod Drlg	1	dsl	3425	Nat 1625M6	2200	300
	122	dsl	1300	Nat 1625M	2000	250
RICHLAND						
Underwood Oil Well Serv	12	dsl	350	S/B N3	350	40
SABINE						
Nicor Drlg	81	d-m	900	Idco H40	550	
Noble Drlg	N-812	dsl	1420	Nat 80B	1420	150
Resource Drlg	12	dsl	3105	Nat 1625	3740	300
ST BERNARD						
CRC Mallard Well	18	dsl	1300	Wils 90	800	145
ST HELENA						
Bailey Drlg, Pernie	6	dsl	3000	Nat 110M	3000	180
Glasscock Drlg	72	dsl	800	Nat 80B	1250	120
Grey Wolf Drlg	9	d-e	3000	C-E CZ11	2000	250
Nicor Drlg	4	dsl	1500	G-D 800	1000	150
Prairie States Expl	2	dsl	1100	Unit U33A	800	130
SEE Land Drlg	15	dsl	900	G-D 1100	1500	180
Transcontinental Drlg-Jackson	14					
ST JAMES						
Power Rig Drlg	9	dsl	1850	C-E D3	1450	140
ST LANDRY						
Bailey Drlg, Pernie	1	dsl	1500	S/B N75	850	120
	4	dsl	2900	Nat 1320M	3000	200
	8	dsl	2000	Nat 110M	1500	200
Glasscock Drlg	73	dsl	1000	Nat 110M	1500	180
Nicklos Drlg	23	dsl	1850	Nat 110	1755	180
	79	d-e				
	80	d-s	4800	C-E C3	3000	300
Woolf & Magee	12	dsl	850	Idco H35S	500	100
ST MARTIN						
Glasscock Drlg	70	dsl	1600	Nat 80B	1600	140
Helmerich & Payne Intl Drlg	41	dsl	1650	Nat 110	1815	220
NL Well Serv	286	dsl	1000	Cbot 2550HL	1500	160
	298	dsl				
Power Rig Drlg	21	dsl	3500	C-E C2	2000	250
ST MARY						
Goldrus Drlg	7	dsl	1750	S/B N95	1560	160
Loffland Bros	103	d-e	3300	MC U1220EBD	3300	300
Noble Drlg	N-131	dsl	2130	Nat 130	2130	180
	OW-31	d-e	3135	Olwl E3000	3135	250
Power Rig Drlg	14	d-s	3200	Idco E2100	4161	250
Resource Drlg	RD-30	dsl	3105	Nat 1625	3740	300

LOUISIANA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
TANGIPAHOA						
Challenger Drlg	34	dsl	1200	S/B N75	1500	120
TERREBONNE						
Comet Drlg	18	d-e	2700	I-R 2550HL	1500	160
CRC Mallard Well	12	dsl	800	Wils 90	800	110
Drillers	52					
Glasscock Drlg	67	dsl	2700	Nat 1320	2700	200
Penrod Drlg	29	dsl	3425	Nat 1320M	2200	250
Power Rig Drlg	11	dsl	2700	C-E C1	2000	250
UNION						
Sawyer Drlg & Serv	10	gas	1200	Whln 1000	1200	130
	3	dsl	1100	S/B N7	1100	120
	8	gas	1100	S/B N7	1100	115
VERMILION						
Butler-Johnson	11	d-e	2000	Nat 110UE	2000	200
Cliffs Drlg	28	dsl	2600	Nat 1320	2475	250
	30	dsl	2600	Nat 1320	2475	250
	31	dsl	2600	Nat 110	2475	200
CRC Mallard Well	11	dsl	800	Wils 90	900	110
	14	dsl	1300	Wils 90	800	145
Delta Drlg	47	dsl	2300	Nat 130	2250	200
	76	d-s	3200	G-D 3000RE	4600	300
Great Southern Oil & Gas	42	dsl	665	Idco	636	100
M G F Drlg-Lafayette	44	dsl	2000	MC U914	1500	180
Nicor Drlg	72	dsl	2600	Nat 1320M	2000	250
Power Rig Drlg	22	d-e	2700	Idco E1700	1700	180
	23	d-e	2000	C-E C2	2000	300
Resource Drlg	1	dsl	3105	Nat 1320	3740	250
VERNON						
Woolf & Magee	6	dsl	850	Idco H35	500	100
WASHINGTON						
Tesoro Drlg	6	dsl	2600	Nat 1625M	2742	300
WASHITA						
Sawyer Drlg & Serv	5	dsl	1500	S/B N75	1500	130
	7	gas	900	Idco 750	900	130
WEBSTER						
Murco Drlg	2	dsl	2200	Olwl 760E	1000	150
WEST BATON ROUGE						
Dual Drlg	9	dsl	3200	Nat 1320M	2000	250
Parker Drlg	180	dsl	3000	OIME Hercules 3000E	3000	300
WEST FELICIANA						
Delta Drlg	35	d-s	2600	C-E C1 Type II	3100	200
Loffland Bros	115	d-e	3300	MC U1220EBD	3300	300

MICHIGAN

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
Miller Expl	3	dsl	750	OIME SL5	1000	180
ALPENA						
Provins Drlg, T D	3	dsl	1200	Idco 1000	900	100
CLARE						
Bigard Drlg, James	12	d-e	1000	Idco ED1200	2000	200
Nicor Drlg	17	dsl	1400	Olwl 76	1000	150
Provins Drlg, T D	2	dsl	1200	Idco H37	456	80
GRAND TRAVERSE						
Bigard Drlg, James	14	dsl	600	Idco H1000	1000	120
Cactus Drlg Corp	16	dsl	800	Nat 50A	800	100
Nicor Drlg	21	dsl	800	Idco H35	510	70
ISABELLA						
Bigard Drlg, James	7	dsl	600	Idco H37	535	75
L & G Drlg	1	dsl	398	Idco H35	398	50
Provins Drlg, T D	9	dsl	2100	Cbot 2550HL	1800	200
JACKSON						
Bigard Drlg, James	10	dsl	700	Idco H44	600	85
Scott Drlg, Don	5	dsl	1000	Idco H1000	900	80
KALKASKA						
Cactus Drlg Co	17					
	28					
Cactus Drlg Corp	28	dsl	800	Nat 50A	800	100
L & G Drlg	3	dsl	500	C-E GB350	600	100
Provins Drlg, T D	5	dsl	1200	Idco 1000	1000	120
LIVINGSTON						
Nicor Drlg	52	d-m	600	S/B DH14210	550	84
Provins Drlg, T D	4	dsl	1000	Coop 550	500	80

MICHIGAN (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
MACOMB						
Escor	4	dsl	500	Idco DI7015	600	75
MANISTEE						
Bigard Drlg, James	8	dsl	600	Idco H44	600	85
	9	dsl	600	Idco H44	600	85
L & G Drlg	2	dsl	500	Wils 65	600	80
Nicor Drlg	22	dsl	1200	Idco H35	720	70
Provins Drlg, T D	8	dsl	1200	Idco H1000	1000	120
MIDLAND						
Nicor Drlg	53	d-m	500	S/B DH14210	550	84
NEWAYGO						
Bigard Drlg, James	17	dsl	550	Wils 75	900	120
Provins Drlg, T D	6	dsl	1125	Idco 700	700	90
OAKLAND						
Bigard Drlg, James	3	dsl	535	Cbot 550	550	75
OCEANA						
Provins Drlg, T D	7	dsl	1200	Idco H1000	1000	120
OSCEOLA						
Cardinal Drlg	21	dsl	1000	C-E GC500	1000	125
OTSEGO						
Bigard Drlg, James	15	dsl	600	Idco H1000	1000	120
Cactus Drlg Co	12					
	16					
Cactus Drlg Corp	12	dsl	800	Olwl 66	800	100
	17	dsl	800	S/B N55	800	110
	21	dsl	800	Beth M58	800	120
Nicor Drlg	24	dsl	650	Idco H525	850	85
Provins Drlg, T D	10	dsl	1200	Idco H1000	1000	120
TRAVERSE						
Cactus Drlg Co	21					
TUSCOLA						
Bigard Drlg, James	16	dsl	475	Idco H44	600	85
Escor	5	dsl	949	Idco H35	445	55

MISSISSIPPI

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
New Drlg, David	3	dsl	450	S-H 6000	550	70
Par-Co Drlg	1	dsl	300	Idco H30	300	60
	4	dsl	700	Wils 42	500	80
ADAMS						
Energy Drlg	1	dsl	400	Beth S45A	500	90
	3	dsl	2000	C-E D3	2000	180
Justiss Oil	8	dsl	450	C-E GA500	900	110
Wilcox Drillers	5	dsl	700	Beth S45E	550	85
AMITE						
Justiss Oil	16	dsl	600	C-E GB	900	120
	22	dsl	1800	Nat 80B	1420	140
CLARK						
Murco Drlg	22	dsl	2400	S/B N95	2400	200
HANCOCK						
Chesley Pruet Drlg	15	dsl	4800	C-E C3	4800	300
Penrod Drlg	10	dsl	2600	Nat 1320M	3425	250
	112	dsl	1600	Nat 1625M	3000	300
HINDS						
Delta Drlg	56	dsl	2600	Wils Super 250	2592	250
Nicor Drlg	80	d-m	975	Wils Mogul 42	450	90
Transcontinental Drlg-Jackson	12					
HOLMES						
Durkee Drlg	18	dsl		Nat 55		120
HUMPHREYS						
Nicor Drlg	15	dsl	2100	Olwl 76	1000	150
	7	dsl	1020	MC U15	700	115
JASPER						
Marion Drlg	1	dsl	1800	C-E M810	1800	180
	7	dsl	2400	C-E C1	2400	200
	8	d-e	2400	C-E C1	2400	200
New Drlg, David	1[illegible]	dsl	1500	C-E C2	2000	220
Transcontinental Drlg-Jackson	85					
JEFFERSON DAVIS						
Exeter Drlg Southern	15	dsl	2550	G-D 1100	1550	180

MISSISSIPPI (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
JONES						
Chesley Pruet Drlg	16	dsl	3600	C-E C2	3600	300
New Drlg, David	8	dsl	1200	Nat 80B	1200	150
Nicor Drlg	48	dsl	2700	MC U1220EB	2000	250
Penrod Drlg	24	dsl	2600	S/B N12A	1950	250
Rapad Drlg	6	d-e	2000	C-E D3	1000	160
SEE Land Drlg	11	dsl	945	C-E SDR	500	90
	7	dsl	1200	S/B N4	325	65
Tesoro Drlg	5		2000	Nat 80B	1650	150
	7	dsl	2000	Nat 80B	1650	150
	8	dsl	3200	Nat 1320	3600	300
LAMAR						
Energy Drlg	2	dsl	535	Idco H35S	540	95
LAWRENCE						
Wilson Bros Drlg	2	dsl	1900	Nat 110	1900	200
LINCOLN						
Marion Drlg	2	dsl	2400	C-E C1	2400	200
MADISON						
Par-Co Drlg	3	dsl	700	S-H 7000	500	70
MARION						
Chesley Pruet Drlg	12	dsl	3600	C-E C2	3600	250
Helmerich & Payne Intl Drlg	77	d-e	2200	Nat 110UE	2430	180
Justiss Oil	23	dsl	1800	C-E J1100	2400	200
JHJ Drlg	3	d-s	1600	S/B NE12A	2000	250
Penrod Drlg	109	dsl	2000	S/B N75A	1760	150
MONROE						
Apollo Drlg Inc	1	dsl	500	Nat 370	550	105
	5	dsl	500	Nat 370	550	105
Lohmann Drlg	6	dsl	300	Nat 32	550	75
Rapad Drlg	5	dsl	950	Nat 370	950	120
MONTGOMERY						
Resource Drlg	10	dsl	2330	Nat 110	2740	180
PIKE						
SEE Land Drlg	2	dsl	720	MC U15	300	40
	3	dsl	1200	G-D 500	500	90
	9	dsl	1500	Nat 100	1200	140
RANKIN						
Helmerich & Payne Intl Drlg	71	dsl	1830	Nat 1320M	1830	230
SCOTT						
Murco Drlg	10	dsl	2200	S/B N95	2400	200
Rapad Drlg	4	d-e	4000	C-E C1	2000	250
SIMPSON						
Helmerich & Payne Intl Drlg	74	dsl	3300	Olwl	3895	300
	86	d-s	4250	Nat 1625DE	4250	300
Transcontinental Drlg-Jackson	18					
	84					
	91					
	92					
SMITH						
Delta Drlg	65	dsl	2300	C-E C1 Type III	2592	180
Tesoro Drlg	1	dsl	2600	Nat 1320M	2742	250
WALTHALL						
Murco Drlg	46	d-s	2600	Olwl E2000	2000	300
Tesoro Drlg	3	dsl	2600	Nat 1320M	2742	250
WARREN						
Justiss Oil	35	dsl	1250	C-E J1400	1200	180
	7	dsl	1800	C-E J1400	2900	200
Penrod Drlg	12	dsl	3850	G-D 1500	2120	200
WAYNE						
Justiss Oil	24	dsl	3600	C-E J1400	3000	220
JHJ Drlg	2	dsl	1300	S/B NE95A	1700	200
WILKINSON						
Penrod Drlg	120	dsl	1600	Nat 1625M	3000	300
Wilcox Drillers	6	dsl	1100	C-E 550	800	125
	7	dsl	300	Beth 545A		80

MONTANA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
Hussar Drlg	1	dsl	500	C-E GA250	300	75
	2	dsl	450	C-E Modified 150	300	65
BEAVERHEAD						
Cardinal Drlg	17e	d-e	1000	C-E D3	1000	180

MONTANA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
BIG HORN						
Atco Drlg	58	d-e	1800	Nat 80UE	1800	150
BROADWATER						
Anderson-Myers Drlg	8	dsl	1800	Nat 80	1800	180
CAMPBELL						
Harpel Drlg	3	dsl	1400	Idco H725	900	100
CASCADE						
Molen Drlg	2	dsl	800	S/B N46	800	100
DAWSON						
Atco Drlg	17	d-e	1800	Nat 610E	750	120
Grace-Bomac Drlg	59	dsl	1650	Nat 80B	1650	160
Penrod Drlg	101	dsl	1684	S/B N46	1000	100
Transcontinental Drlg-Denver	82	dsl	1000	G-D GD700	1470	125
FALLON						
Cliffs Drlg	8	dsl	1600	Nat 610	1100	125
Shelby Drlg	54-E	d-e	1000	Nat 370ESCR	650	100
GARFIELD						
Anderson-Myers Drlg	3	dsl	1200	C-E G500	1200	110
GLACIER						
Comanche Drlg Co	1	dsl	430	Idco H30	400	50
Simmons Drlg	31	dsl	350	S-H 6000	350	65
HILL						
Elenburg Expl	5	dsl	320	W-N CC2000	180	25
K B Drlg	1	dsl	278	Crdw A150A	185	45
	2	dsl	278	Crdw AH-91	185	50
JEFFERSON						
Bawden Drlg Ltd, Peter	14	d-s	2600	Nat 1320UE	2000	220
LEWIS & CLARK						
Cardinal Drlg	16e	d-e	1000	C-E D3	1000	180
LIBERTY						
Elenburg Expl	10	dsl	320	Elenburg	430	60
MEAGHER						
Molen Drlg	5	dsl	1200	S/B N46	800	100
MUSSELSHELL						
Anderson-Myers Drlg	5	dsl	1000	C-E GB500	820	100
Molen Drlg	1	dsl	400	C-E GB250T	350	65
PHILLIPS						
Elenburg Expl	8	dsl	320	W-N CC2000	230	25
PONDERA						
Aspen Drlg	1	dsl	400	Ewb 3500	475	35
Cardinal Drlg	14	dsl	560	C-E GB350	840	85
Elenburg Expl	2	dsl	320	W-N CC2000	230	25
POWDER RIVER						
Shelby Drlg	10	dsl		Sup 400ESCR		85
PRAIRIE						
True Drlg	22	dsl	1200	Nat 55	1200	130
RICHLAND						
Blocker Drlg-Houston	58					140
Helmerich & Payne Intl Drlg	88	dsl	1815	Olwl 860	1815	160
Kenting Drlg	11	dsl	1200	MC U40	1200	140
Nicor Drlg	16	dsl	1550	Olwl 76	1000	150
	40	d-e	1700	Olwl 680E	700	120
	62	dsl	1000	Nat 610	750	125
Simmons Drlg	47	dsl	350	Troy M800	350	75
Transcontinental Drlg-Denver	31	dsl	1200	Wls 90B	1354	150
ROOSEVELT						
Apollo Drlg	8	dsl	1200	Olwl 76	1200	105
Bird Drlg	3	dsl	615	C-E 500	800	110
Challenger Drlg	1	dsl	900	C-E BC500	1000	110
Grace-Bomac Drlg	31	dsl	1325	Beth S45E	825	86
	50	dsl	1650	Nat 80B	1650	160
Noble Drlg	N-611	dsl	1606	Nat 80B	1606	150
ROSEBUD						
Molen Drlg	3	dsl	700	Nat 50A	700	90
Soape Drlg	1	dsl	950	Nat 45	950	75
SHERIDAN						
Brinkerhoff-Signal	17	dsl	1580	Nat 80B	1580	140
Fon.ast	3	d-e	2000	Idco 1200E	1800	180

MONTANA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
SHERIDAN (Cont'd)						
Grace-Bomac Drlg	37	dsl	1100	G-D 700M	1100	125
Noble Drlg	N-82	dsl	1200	Nat 80	1200	150
Transcontinental Drlg-Denver	46	dsl	2000	Nat 80B	1956	150
TETON						
Alkins Drlg	2	dsl	200	B-E	200	30
Molen Drlg	4	dsl	1350	S/B N75A	1350	140
TOOLE						
Comanche Drlg Co	2	dsl	430	Idco H30	400	50
	5	dsl	430	Idco H30	400	50
VALLEY						
Atco Drlg	6	dsl	1020	Nat 370	700	85
Challenger Drlg	24	dsl	500	S/B N4A	650	65
	31	dsl	1200	S/B N75	1200	120
Drilcon	1	dsl	1125	Beth 450	1125	110
	5	dsl	715	Idco H725	700	110
Helmerich & Payne Intl Drlg	53	d-e	1200	Idco H525	800	120
YELLOWSTONE						
Elenburg Expl	11	dsl	430	Elenburg 6000	430	60
Molen Drlg	6	[illegible]	[illegible]	C-E C1 Type II	2000	220

NEBRASKA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
MOXA Drlg	1	dsl	540	Idco 35	380	70
BANNER						
Exeter Drlg Northern	42	dsl	375	Nat T32	460	78
CHEYENNE						
Banner Drlg	4	dsl	400	Apache 25040	375	50
DUNDY						
Murfin Drlg	20	dsl	525	Nat 370	600	75
HARLAN						
Rains & Williamson Oil	1	dsl	525	Beth S45-B	450	55
HITCHCOCK						
Murfin Drlg	3	dsl	400	Nat T25	400	60
Stoeppelwerth Drlg	1	dsl	375	Nat T32	375	55
KIMBALL						
Banner Drlg	3	dsl	500	Nat T45	600	95
MORRILL						
Toltek Drlg	3	dsl	680	S/B N4A	440	85
RED WILLOW						
Murfin Drlg	7	dsl	525	Nat T32	400	60
Stoeppelwerth Drlg	2	dsl	350	Crdw 500L	325	45
SCOTTS BLUFF						
Toltek Drlg	1	dsl	440	S/B N4	440	85
SIOUX						
Shelby Drlg	11	dsl		Idco 35ESCR		100

NEVADA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
CLARK						
Brinkerhoff-Signal	81	d-e	2100	Olwl 760E	2100	160
Continental Drlg	17	d-e	2800	Idco E1700	1700	190
Loffland Bros	211	dsl	1260	MC U15	1000	100
ELKO						
Loffland Bros	1	dsl	1200	MC U40	1440	130
EUREKA						
Brinkerhoff-Signal	9	dsl	550	S/B N45	600	75
WHITE PINE						
Montgomery Drlg	46					
	48	dsl	2000	Nat 110	2000	200

NEW JERSEY

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
SUSSEX						
New Jersey Drlg	T5	dsl	400	I-R	400	50

NEW MEXICO

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Ard Drlg	1	dsl	600	S-H	670	85
	2	dsl	1086	MC U20	1800	180
	3	dsl	1400	MC U40	1200	150
	7	dsl	1200	MC U40	1200	140
BERNALILLO						
Earl & Son	2					
Earl & Son Drlg	1		1500	I-R	3800	15
CHAVES						
Artesia Fishing Tool	2	dsl	500	G-D	500	60
Cactus Drlg Co	70	dsl	730	Nat 370	950	90
Collier Drlg	10	dsl	600	Chal	475	55
Dual Drlg	30	dsl	1400	Olwl 500	500	70
	31	dsl	1600	Olwl 500	500	70
L & M Drlg	1	dsl	750	G42	440	75
	2	dsl	750	G-D 3000	380	60
La Rue Drlg	2	dsl	500	G-D 3000	500	60
W E K Drlg	3	dsl	450	C-E S45E	440	65
Young Drlg	5	dsl	750	Crdw K500	600	80
EDDY						
Ard Drlg	5	dsl	1986	MC U20	1800	150
Artesia Fishing Tool	1	dsl	400	May 3000	200	40
Cactus Drlg Co	25					
	73	dsl	454	C-E U34	454	60
Cactus Drlg Corp	25	dsl	1100	Idco 711	1100	130
Collier Drlg	12	dsl				70
Delta Drlg	60	d-e	1825	C-E D3 Type II	2592	160
Hondo Drlg	10	dsl	1250	S/B N75A	1250	150
	11	dsl	1050	MC U15	700	100
Kenai Drlg of New Mexico	36	dsl	650	Wls Giant	700	105
	37	dsl	1750	Nat 100M	1750	180
La Rue Drlg	1	dsl	650	Nat T20	500	70
M G F Drlg-Midland	23	dsl	1150	Olwl 76	1150	135
	26	dsl	1725	G-D 1100	1725	190
McVay Drlg	10	dsl	1300	Nat 100	1300	160
	7	dsl	1200	Nat 75CA	1200	130
	9	dsl	1400	Nat 110	1400	180
Moranco	1	dsl	1100	OIME 1000SL	1000	150
Parker Drlg	161	gas	1000	Nat 75	1000	160
	2	dsl	1200	OIME SL1000P	1200	140
	34	gas	1000	Nat 75	1000	160
Resource Drlg	6	dsl	2330	Nat 110	2740	180
T O T Drlg	4	dsl	1155	OIME SL5	1155	150
TMBR Drlg	2	dsl	350	Weis W45	450	70
W E K Drlg	1	dsl	770	MC U34	380	75
GUADALUPE						
Cactus Drlg Co	53	dsl	520	Beth S55	670	75
LEA						
Ard Drlg	6	dsl	1200	MC U15	1200	115
Cactus Drlg Co	23					
	27					
	67	dsl	520	Nat T32	454	65
	68	dsl	520	Idco H30	454	60
	8					
Cactus Drlg Corp	23	dsl	2550	Nat 110	2550	140
	27	dsl	2550	S/B N20	2550	300
	8	dsl	1200	S/B N7	1200	110
Delta Drlg	3	dsl	2300	C-E C1 Type III	2331	180
Dual Drlg	14	dsl	1900	Olwl 760	1000	150
	19	dsl	1850	Olwl 760	1000	160
Forex Neptune and/or Affil	50	d-e	3200	G-D 1500E	2000	217
Hondo Drlg	12	dsl	1250	G-D 800	1250	150
	5	dsl	1100	Nat 55C	800	130
Kenai Drlg of New Mexico	2	dsl	2000	C-E J1100	2000	150
	21	dsl	1350	MC U20	1350	150
	22	dsl	1700	C-E J1100	1700	150
	23	dsl	1800	C-E JB1250	1800	150
	31	dsl	650	MAC 300	400	65
Kenai Drlg of Texas	14	dsl	700	C-E GC500	800	115
Landis Drlg	1	dsl	1000	BDW 650M	1000	130
	3	dsl	800	S/B N55	900	115
McVay Drlg	8	gas	1200	Nat 80B	1200	150
Moranco	10	dsl	1100	MC	750	110
	2	dsl	1100	C-E GB800	1000	150
	3	dsl	1100	MC 712A	1000	150
	5	dsl	750	MC U15	750	110
	6	dsl	750	S/B N75	750	120
	7	dsl	1100	S/B N75	1000	150
	9	dsl	750	S/B N55	750	110
Parker Drlg	211	gas	1000	Nat 75	1000	160
	38	gas	1200	Nat 100M	1200	180
	58	dsl	1650	Nat 100M	1650	160
	85	gas	1800	Nat 100M	1800	230
	86	gas	1800	Nat 130	1800	230
	90	gas	1800	Nat 130	1800	250
Prairie States Expl	3	dsl	1750	Unit U712A	1960	180
Quarbe Drlg	2	dsl	1500	OIME 1000	1000	180
	6	dsl	2000	S/B N95	2200	220

NEW MEXICO (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
LEA (Cont'd)						
Resource Drlg	RD-23	del	1040	Nat 610	1220	120
Rio Colorado Drlg	142	del	1825	Nat 110	1650	180
Rod Ric	11	del	450	Nat T20	440	50
Sharp Drlg	35	del	2331	Beth 1013	2742	230
	36	del	2331	Beth MC950	2742	220
	61	del	2331	MC U914C	2742	235
	63	del	1500	C-E D3	1836	180
	65	del	1500	C-E D3	1836	180
Sterling Drlg (TX)	20	del	1260	Nat 610	840	130
	21	del	1180	S/B N46	770	110
TMBR Drlg	13	del	700	MC U15CA	500	105
	30	del	350	MC U15	500	70
Willbros Drlg	7	del	1400	C-E A800	1400	160
Wilson Bros Drlg	20	del	800	Nat 80B	1425	160
LUNA						
Bayless Drlg	7	del	1500	G-D GD700	1200	130
McKINLEY						
Antelope Drlg	1					
QUAY						
McVay Drlg	4	del	850	Nat 75	850	120
RIO ARRIBA						
Arapahoe Drlg	11	g-b	300	Nat T32	320	90
Aztec Well Serv	124	del	600	Wils 75	1100	100
	184	del	600	Wils M75	1100	
	289			Wils		105
Bayless Drlg	5	del	1500	Coop LTO550	550	85
Four Corners Drlg	10	del	1500	Crdw Drlg	750	80
	3	del	1500	Crdw KB500	700	80
	4	del	1500	Crdw KB500	700	80
	5	del	1500	Crdw KB500	700	80
	6	del	1500	Crdw KB500	700	80
Young Drlg	2	del	600	Idco DIR701	600	85
	4	del	400	Crdw K500	600	85
ROOSEVELT						
Cactus Drlg Co	18	del	520	Nat T32	67	85
W E K Drlg	2	del	1200	Idco H35	480	120
SAN JUAN						
Arapahoe Drlg	10	g-b	700	Nat 50A	500	120
	3	g-b	300	Wils Mogul	320	65
	6	del	300	Nat T32	350	80
Aztec Well Serv	171	del	600	Wils M75	700	
	222		750	Wils M75	1100	
	50	del	400	Wils Mogul	350	60
	56	del	400	Wils Mogul	350	60
Four Corners Drlg	11	del	1500	Crdw KB500	636	80
	12	del	1500	Crdw KB500	636	80
	2	del	1500	Crdw KB500	700	80
	7	del	1500	Crdw KB500	750	80
	9	del	1500	Crdw KB500	750	80
True Drlg	4	del	450	C-E GA250T	500	65
Young Drlg	3	del	400	Wils 75	600	85
SANDOVAL						
Brinkerhoff-Signal	78	del	1600	Nat 610	1100	125
SIERRA						
Cactus Drlg Co	14					
Cactus Drlg Corp	14	del	1200	Olwl 66	1200	110
VALENCIA						
Stewart Bros Drlg	52	del	324	G-D 15W	324	15
	53	del	324	G-D 15W	324	15
	54	del	1000	Fall 100	450	50

NEW YORK

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
CATTARAUGUS						
International Petr Serv	9	del	475	Chal Model 320HD	380	45
CHAUTAUQUA						
D B Drlg	32	del	720	MC U15	720	110
	37	del	410	MC U15	825	110
Delta Drlg	78	del	250	Idco H35KD	291	60
International Petr Serv	12	del	475	Chal Model 320	380	40
	5	del	475	Wils 42	475	75
	6	del	475	Wils 42	475	75
	7	del	475	Chal 320	380	40
Underwater Gas Dev	1	del	250	Fall 3500	200	40
	3	del	320	Chal 320	320	50
	4	del	320	Challenger 320	320	50
	5	del	250	Fall 3500	250	50
	7	del	320	Chal 320	320	50
Union Drlg	15	del	1200	Idco BIR5525	425	80

NORTH DAKOTA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
KCA Drlg	CJ	del	1200	Nat 80B	1200	120
TMBR Drlg	16	del	700	Nat 50CA	600	105
	19	del	700	Nat CA50	700	100
	21	del	1100	Nat 75CA	1100	130
	22	del	700	S/B N75	750	140
	23	del	1100	Nat 75CA	1100	140
	27	del	1750	G-D 700	800	140
	28	del	1650	G-D 800	1650	160
Westburne Drlg Canada	64	del	1680	MC U914C	1680	180
BILLINGS						
Bird Drlg	8	del	615	Nat 610	800	130
Brinkerhoff-Signal	1	del	1100	G-D 800	1100	130
	11	del	1500	Nat 80B	1500	150
Burris Drlg	102	del	1000	G-D 700	1000	145
Cardinal Drlg	1	del	864	BDW 800	1140	140
	10	del	1296	C-E GB800	1296	135
	11	del	864	BDW 800	1140	140
	22	del	1554	Nat 80B	1554	150
	7	del	864	C-E GB500	864	105
Dual Drlg	17	del	1550	Beth M58	700	125
Forwest	5	d-s	2000	Nat 80UE	2000	160
Grace-Bomac Drlg	92	del	1100	G-D 700M	1100	125
Nicor Drlg	61	del	1550	Nat 610	750	120
Noble Drlg	E551	del	800	C-E A550	800	130
	N-84	del	1320	Nat 80B	1320	150
Penrod Drlg	103	del	1700	Nat 80B	2000	200
Ratliff Drlg	15	del	1650	Nat 80B	1650	180
Westburne Drlg	61	del	1050	Nat 55	1320	125
BOTTINEAU						
Cardinal Drlg	3	del	400	Nat T20	400	55
	8	del	400	Nat T20	440	55
BOWMAN						
Noble Drlg	N-57	del	800	Nat 55	800	120
BURKE						
Cardinal Drlg	5	del	541	C-E GB250	580	75
	6	del	560	C-E GB250	440	65
Grace-Bomac Drlg	27	del	1125	S/B N56	800	95
CAMPBELL						
Transcontinental Drlg-Denver	51	del	1100	Olwl 78	1300	125
DIVIDE						
Bird Drlg	4	del	450	C-E GB350	700	90
Brinkerhoff-Signal	5	del	1500	Nat 80	1500	150
Forwest	4	d-s	2000	Idco 1200	1600	160
Grace-Bomac Drlg	21	del	650	Idco H35SC	350	70
	30	del	1200	S/B N75	1200	125
Kenting Drlg	1	del	1500	Nat 80B	1500	150
Noble Drlg	N-89	del	800	Nat 80B	800	130
Transcontinental Drlg-Denver	39	del	1100	G-D GD800	1300	135
West Wind Drlg	59	del		Nat 80B	1800	150
Westburne Drlg	62	del	1050	Nat 50A	1200	110
DUNN						
Brinkerhoff-Signal	74	del	1500	G-D GD800	1500	150
Drilcon	2	del	1176	Nat 80B	1176	145
Grace-Bomac Drlg	33	del	1650	Olwl 96	1650	140
	52	del	1650	Nat 80B	1650	160
	53	del	1650	Nat 80B	1650	160
Noble Drlg	OW-861	del	2400	Olwl 860	2400	180
Transcontinental Drlg-Denver	81	del	1000	G-D GC800	1470	150
Westburne Drlg	59	del	1100	Idco M750D	800	100
EMMONS						
Cardinal Drlg	12	del	560	SOS 6000	480	65
GOLDEN VALLEY						
Dixilyn-Field Drlg	35	del	1600	Nat 80UE	1800	150
	37	del	1600	Nat 80UE	1800	150
Noble Drlg	814	del	1606	Nat 80B	1606	150
McKENZIE						
Alco Drlg	10	d-e	2000	Nat 80UE	1000	150
Bird Drlg	7	del	615	U36A	800	115
Blocker Drlg Canada	1	del	1000	OIME 1500SL	1500	180
	11	del	1000	Nat 80B	1500	150
	2	del	1000	OIME 1000SL	1500	180
	3	del	770	OIME 750SL	1155	140
	5	del	800	S/B N75	1200	130
	6	del	770	OIME 750SL	1155	140
Blocker Drlg-Houston	51					180
	52					160
	53					140
	54					140
	55					140
Brinkerhoff-Signal	10	del	1000	MC U40	1000	130
	65	del	1000	Nat 80B	1000	160
	80	del	1500	Nat 80B	1500	180
Burris Drlg	101	del	1500	G-D 1100M	1500	200

NORTH DAKOTA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
McKENZIE (Cont'd)						
Drilcon	3	del	784	Nat 50A	784	100
	4	del	1800	Nat 110	1800	150
Dual Drlg	27	del	1900	C-E D3	1000	180
Grace-Bomac Drlg	25	del	1650	Nat 80B	1650	150
	26	del	1125	G-D 500M	800	90
	36	del	1650	Nat 80	1650	150
	38	del	1100	G-D 700M	1100	125
	40	del	1100	Olwl 76	1100	130
	41	del	700	S/B N7	700	100
	47	del	1650	Nat 80B	1650	160
	48	del	1650	G-D 800M	1650	160
	51	del	2400	Nat 110M	2400	200
	54	del	1200	Nat 610	1200	125
	55	del	1650	G-D 800M	1650	160
	57	del	1650	G-D 800M	1650	160
	58	del	1650	Nat 80B	1650	160
Helmerich & Payne Intl Drlg	15	del	1230	Olwl 78	1365	150
Kenting Drlg	14	del	1500	Nat 80B	1500	150
	2	del	1200	MC U40	1200	140
	30-E	d-e	2000	Nat 80UE	1000	150
	6	del	1500	S/B N85	1500	150
Nicor Drlg	27	del	1850	S/B N95	1200	160
	59	del	1400	Nat 55M	700	145
Noble Drlg	N-610	del	1606	Nat 80B	1606	150
Penrod Drlg	104		2000	Nat 80B	1700	150
	105	del	1575	Nat 80B	1700	150
Ratliff Drlg	6	del	1650	C-E GB800	1650	170
Shelby Drlg	52	del	1500	OIME SL7	1500	160
Tierra Drlg	14	d-e	1000	BDW 800MX	750	140
Transcontinental Drlg-Denver	50	del	820	G-D GD800	1470	135
True Drlg	17	del	1350	Nat 50A	1000	120
	21	del	1800	Nat 80B	1800	150
	23	del	1800	MC U712A	1800	160
West Wind Drlg	52					
	56	del		Nat 80B	1800	150
Westburne Drlg	63	del	1000	OIME SL7	1400	150
McLEAN						
Dual Drlg	3	del	1500	Wils 120	1650	150
MOUNTRAIL						
Blocker Drlg Canada	4	del	770	OIME 750SL	1155	140
Grace-Bomac Drlg	60	del	1650	Nat 80B	1650	160
SHERIDAN						
Cardinal Drlg	35	del	560	SOS 6000S	480	75
SLOPE						
Grace-Bomac Drlg	46	del	1200	Nat 610	1200	125
STARK						
Burris Drlg	103	del	1000	G-D 700	1000	145
Cardinal Drlg	9	del	720	Nat 50CA	720	115
Cliffs Drlg	14	del	1200	C-E J1250	900	150
Energy Operating Corp	2	del	1600	Nat 610M	2100	140
	4	del	1600	Nat 610M	2100	140
Enopco	2	del	1890	Nat 610	1080	130
	4	del	1890	Nat 610	1080	130
Grace-Bomac Drlg	45	del	1650	G-D GD800	1650	160
	49	del	1650	G-D 800M	1650	160
WILLIAMS						
Anderson-Myers Drlg	16	del	2300	Nat 55	1200	130
Brinkerhoff-Signal	77	del	1500	G-D 800M	1500	135
Challenger Drlg	22	del	1400	Nat 110	1800	180
Cliffs Drlg	36	del	1700	C-E JB1250	1650	180
Grace-Bomac Drlg	30	del	1650	Olwl 96	1650	180
	34	del	700	S/B N7	700	100
	35	del	2400	Nat 110M	2400	200
	42	del	1100	G-D 700M	1100	125
Nicor Drlg	25	del	1600	Nat 125	1200	150
	26	del	1100	Nat 50A	425	115
Noble Drlg	E552	del	800	C-E A550	800	130
Pruet-Ram-Co	1	d-e	2000	C-E D3	2000	180
	2	del	3000	C-E C1	3000	200
	3	del	1800	C-E D2	1200	150
	5	del	1800	C-E D2	1200	140

OHIO

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
ASHTABULA						
P E P Drlg	2	del	500	Idco H35S	350	65
COLUMBIANA						
Armstrong Drlg	27	del		Wils Mogul 42	280	75
GEAUGA						
P E P Drlg	4	del	550	G-D 500	500	70
	8	del	550	G-D 500	500	100
HOCKING						
Beverly Drlg	1	del	2800	Idco	600	60
Wilson Inc, Lee	11	del	300	Idco H35	300	50

OHIO (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
MEDINA						
Miller Contract Drlg	21	del	425	S-H 6000	425	70
MORROW						
Sheldon & Son, R H	1	del	450	W-N 25040	350	60
NOBLE						
Mid Atlantic Oil	1	del	400	Idco Rambler 5525	400	70
	2	del		Idco Rambler 5525	480	70
	3	del				
PORTAGE						
P E P Drlg	1	del	550	S/B N45	450	75
	3	del	650	Nat T45	600	75
	7	del	550	C-E WS1	470	75
SUMMIT						
Armstrong Drlg	10	del	380	May 3000 Port	350	40
TRUMBULL						
Armstrong Drlg	11	del	380	Cbot	380	75
WAYNE						
Armstrong Drlg	12	del	380	May 3000	318	40

OKLAHOMA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
Ardmore Drlg	2	gas	700	Wils GIANT	700	90
	3	gas	1350	Idco M10000	1350	125
	5			Idco		185
Baltic Drlg	10	del	940	Sup 700	600	95
Bighorn Drlg	1	del	1200	Nat 370	900	90
	3	del	800	Idco H37	500	65
	4	del	1000	MC U15	1000	100
	5	del	1200	MC U15	1000	100
Blocker Drlg-Houston	20					90
	25					120
	26					140
Cimarron Oper	3	del	1230	Idco H725	950	100
	4	del	920	Idco BIR5525	450	65
Forex Neptune and/or Affil	51	d-e	3200	G-D 1500E	2000	217
	54	d-e	3200	G-D 1500E	2000	217
FWA Drlg	31	del	1000	Wils Mogul 42	750	75
Kingery Drlg	10	gas	300	Wils Giant	300	50
Layton Oil	6	del	250	Wils Double Drum	250	30
Plotner Drlg	2	del	1000	All Rig 1200	2000	200
Quanza Drlg	1	del	300	Nat 300B	300	55
	2	del	250	S/B N4	450	45
Roberson Drlg	1	gas	600	C-E	400	70
Santa Fe Drlg	SFDLI-20	d-e	3400	Oiwl E2000	2000	250
	SFDLII-21	d-e	2000	Nat 110UE	1500	170
	SFM 1	del	920	Nat 50A	450	110
	SFM 11	del	1800	G-D 800	1000	150
	SFM 12	del	2050	G-D 800	1000	150
	SFM 14	del	1450	BDW 800MI	800	150
	SFM 15	del	1450	BDW 800MI	800	150
	SFM 2	del	1400	Idco ED900	900	140
	SFM 3	del	1250	OIME 1000SL	900	140
	SFM 4	del	1550	OIME SL1500	1500	140
	SFM 5	del	1200	OIME SD5	750	120
	SFM 6	del	1200	OIME SL7	900	180
	SFM 7	del	1200	OIME SD5	750	120
	SFM 8	del	2700	OIME SD7E	900	200
	SFM 9	del	1600	BDW 800MX	800	180
	SFW-15	d-e	1800	C-E C111	2000	300
	SFW-17	d-e	1300	Nat 100	2000	140
	SFW-18	d-e	1700	Oiwl E2000	2000	250
	SFW-19	d-e	3400	Oiwl E2000	2000	250
	SFW-22	d-e	2000	Nat 110UE	1500	170
	95	d-e	2800	Oiwl E2000	1500	200
Scott Drlg, Jerry	4	del	800	Beth C50	640	100
Westburne Drlg Canada	67	del	1725	Oiwl 96	1725	200
	68	del	1950	MC U1220D	1950	200
	70	del	1050	Nat 50A	700	85
	71	del	1560	Oiwl 860	1560	180
ALFALFA						
Damac Drlg	2	del	310	Wils Giant	310	66
Dean Drlg	1	del	1100	Idco H40	1000	110
Thomas Drlg	2	del	300	Nat T32	300	73
Vaughn G[illegible]d Drlg	3	del	500	Coop 600	500	90
BEAVER						
Eagle Drlg	2	del	1000	Nat T45	725	95
	4	del	1100	MC U15	850	100
Robinson Bros Drlg	19	del	600	Oiwl 52T	3000	80
Sage Drlg	6	del	400	C-E 350	400	85
	7	del	400	BDW 450	400	90
Service Drlg (TX)	9	del	1000	MC 800	800	100
Tried Drlg	9	del		BDW 650	800	120

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
BECKHAM						
Atco Drlg Southern	14	d-e	3200	Nat 1320E	2000	220
Big Chief Drlg	37	gas	1350	C-E J1250	1350	180
	45	del	1500	S/B N95A	2250	180
Challenger Drlg	7-E	del	900	Nat 80E	1000	140
Continental Drlg	15	d-e	2000	Idco ED1200	1200	160
	33	d-e	2600	Idco E1700	1700	190
	35	d-e	2600	Idco E1700	1700	190
	8	d-e	2600	Idco E1700	1700	190
	9	d-e	2000	Idco ED1200	1200	180
Dual Drlg	35	del	2000	C-E D3	1000	180
Grace/T R G Drlg	10	d-e	3000	G-D 3000E	3000	300
	130	d-e	2200	G-D 1100E	2400	180
	141	d-e	2200	G-D 1500E	2400	220
	18	d-e	2200	G-D 1500E	2400	220
	20	d-e	2200	G-D 1100E	2400	180
	5	del	1400	Nat 75	1305	130
Helmerich & Payne Intl Drlg	46	del	1100	C-E GB800	1210	150
	94	d-s	2000	Nat 110ME	1500	200
Loffland Bros	102	d-e	3300	MC U1220EBD	3300	280
	317	del	2250	G-D 1500	2500	240
	34	d-e	3500	MC U1220	2500	280
Moran Bros	66	del	1300	S/B N75A	750	150
Parker Drlg	149	gas	1000	Nat 75	1000	160
	167	del	1650	OIME SL1500	1650	200
	178	del	2200	OIME SL1500P	2200	220
	182	del	3000	OIME Hercules 3000E	3000	300
	192	gas	1200	OIME 1000	1200	180
	201	del	4800	OIME E4000	4000	500
	212	del	3200	OIME 2000	2000	250
	54	gas	1800	Nat 130	1800	250
Penrod Drlg	126	del	1000	Nat 80B	1760	150
	129	del	1000	Nat 80B	1760	150
	130	del	1000	Nat 80B	1760	150
	26	del	2600	C-E C2	1950	250
	8	del	2600	Nat 1320M	3425	250
Ratliff Drlg	5	del	1100	Nat 75CS	1100	150
Robinson Bros Drlg	24	d-e	3200	C-E Electra Hoist	2000	250
	25	del	3000	OIME SL7	3000	200
Rowan Drlg US	18	del	3200	C-E A1500	2500	300
	7	del	3200	C-E A1500	2500	220
	9	d-e	2600	Nat 1625DE	2000	250
Santa Fe Drlg	15W					
	7	d-e	2600	C-E C111	2700	300
Sharp Drlg	39	del	2331	Oiwl M2000	2742	300
	40	del	1770	Oiwl 96	2025	180
	52	del	1580	Beth M810	1836	180
	58	del	2319	Oiwl 96	2607	230
	71	d-e	2331	MC U914EC	2742	235
Tri-Land Drlg	1	del	1500	G-D 1500E	2000	210
Tri-Service Drlg	9	del	2475	Nat 1320M	2475	220
Trigg Drlg	7	del	1200	S/B N65	1600	200
	8	del	1200	Nat 125	1600	200
U R C Drlg	4	d-e	1500	MC 914C	1500	220
	5	del	2250	MC 1220	2250	250
Unit Drlg & Expl	12	d-e	1350	G-D 1500	2000	250
BLAINE						
Atco Drlg Southern	16	d-e	3200	Nat 110UE	1500	180
	9	d-e	3200	Nat 110	1500	180
Cimarron Oper	2	del	1230	Idco H725	950	100
	5	del	1230	Idco DiR7015	608	85
Cothrum Drlg	15					
Eason Oil	17	del	2300	C-E C1	1500	210
Energy Operating Corp	7	del	2000	Nat 80B	1800	180
Enopco	7	del	1800	Nat 80B	1800	180
FWA Drlg	19	del	1600	Wils Titan	1040	140
Quarles Drlg	10	del	2700	MC U914C	2400	220
Sage Drlg	6	del	900	BDW 650	800	120
Santa Fe Drlg	11M	del	1000	G-D 800M	1000	160
	12M	del	1000	G-D 800M	1000	160
	2M	d-e	750	Idco E900	900	40
	6M	del	1000	OIME S/L 7	1500	160
	7M	del	600	OIME SD-5	784	120
Trigg Drlg	2	g-b	700	Nat 75	900	120
Viersen & Cochran Drlg	2	del	600	Nat 55	800	120
BRYAN						
Basin Drlg	5	del	600	C-E D2	820	130
Grace/T R G Drlg	1	del	1245	Nat 75	1305	135
Moran Drlg, E W	21	del	1600	Wils 120	1100	150
CADDO						
Arden Drlg	7	del	1700	OIME SL7	1500	150
Big Chief Drlg	46	d-e	3000	C-E Electrohoist III	4200	250
	47	d-e	4000	G-D 3000E	3000	350
	9	del	1200	Idco H35S	700	100
Brinkerhoff-Signal	15	del	2000	G-D 1500	2000	200

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
CADDO (Cont'd)						
Cactus Drlg Co	33	del	1560	Nat 110	1740	160
Challenger Drlg	71	del	4000	G-D 2100E	2000	220
Continental Drlg	34	d-e	3200	Idco E2100	2100	250
Dual Drlg	20	del	2800	Oiwl 860	1400	220
	32	del	2800	Oiwl 840	1500	220
	33	del	2800	Oiwl 840	1500	220
Durkee Drlg	4	d-e	4000	Sup 2000UE	2000	250
Eason Oil	22	d-e	2030	C-E C1E	1500	210
Energy Operating Corp	1	del	2800	Nat 110M	2700	200
	5	del	2000	Nat 80B	1800	180
	6	del	2800	Nat 110M	2700	200
Enopco	1	del	2430	Nat 110M	2430	200
	5	del	1800	Nat 80B	1800	180
	6	del	2700	Nat 110M	2700	200
Exeter Drlg	44	del	900	MC U36	900	120
	55					
Grace/T R G Drlg	11	d-e	2000	G-D 1100E	2400	180
	133	d-e	2000	G-D 1100E	2400	180
	134	d-e	2200	G-D 1500E	2400	220
	135	d-e	2200	G-D 1500E	2400	220
	136	d-e	2200	G-D 1500E	2400	220
	137	d-e	2200	G-D 1500E	2400	220
	22	del	1290	Nat 80B	1305	145
Helmerich & Payne Intl Drlg	76	del	1650	Oiwl 760	1815	165
Lagersen Drlg	7	d-e	2000	C-E CIE	2500	220
Mercury Drlg	10	del	1000	G-D 800	2000	180
	7	del	1000	G-D 800M	2000	180
Moran Drlg, E W	10	d-e	2600	G-D 1500	2000	250
	22	d-e	3200	C-E C3	3000	300
	25	d-e	3200	G-D 3000E	3200	400
	27	d-e	3200	G-D 1500E	2000	250
Murco Drlg	42	d-s	2800	Oiwl E2000	2000	250
Nicor Drlg	10	del	2000	MC U914C	1400	180
	11	del	2100	MC U1220B	2000	210
	12	del	1050	G-D 700M	800	130
	30	del	2000	MC U914C	1400	180
	33	d-e	2000	MC U914EC	1400	210
	35	d-e	2000	MC U914EC	1400	210
	41	del	1000	G-D 1100M	1500	210
	69	del	2700	MC U1220EB	2000	250
Noble Drlg	GD1	del	3135	G-D 1500	3135	220
	N-117	del	3645	Nat 110UE	3645	200
	N-133	el	3300	Nat 1320UE	1320	250
Parker Drlg	172	del	1650	OIME SL1500P	1650	200
Penrod Drlg	133	del	1600	Nat 1625DE	4610	200
Pilgrim Drlg	3	d-e	2500	Idco Z100E	2500	250
Quarles Drlg	11	del	2700	MC U914C	2400	220
Resource Drlg	C-3	del	1040	Nat 610	1220	120
	9	del	2330	Nat 110	2740	180
Robinson Bros Drlg	Gary Jack	d-e	2000	G-D	2000	180
	20	del	1000	S/B N95	300	200
Sandia Drlg	1	del	3000	G-D E800	3000	180
Santa Fe Drlg	20-W	d-e	3400	Oiwl E2000	2000	250
	4M	del	1500	OIME SL 1500	1500	180
Schlensker Drlg	11	del	2400	G-D 1100M	2400	200
Top Drlg	7	d-e	2000	Oiwl 760E	1000	200
Tri-Service Drlg	10	del	1800	Oiwl 860	1800	210
Unit Drlg & Expl	20	del	1000	G-D 700	1300	180
Viersen & Cochran Drlg	6	del	2000	Beth 1013	2400	250
Westburne Drlg	64	del	1680	MC U914C	1680	180
	67	del	1725	Oiwl 96	1725	190
	68	del	1600	MC U1220	1875	200
	71	del	1580	Oiwl 860	1580	160
CANADIAN						
ACT Drlg	1	del	1750	G-D 6D 800	1000	160
	2	del	1750	Nat 125	1950	230
	[illegible]	del	600	Wils 42	700	100
Basin Drlg	6	del	600	S/B N7	820	100
Bonray Drlg	22	del	800	Idco H525	800	95
	4	del	900	MC U40	900	140
Drillers	27	del	700	C-E GB500	750	100
Exeter Drlg	50	gas	700	S/B N75	900	140
	52	del	850	S/B N75	850	150
Loffland Bros	111	d-e	3300	C-E A1500	2200	240
Mercury Drlg	15	del	1300	Nat T1320M	2800	250
Moran Bros	31	d-e	2900	Idco E2500	2500	250
	33	d-e	2300	Nat 110UE	1500	200
	35	d-e	1700	Oiwl 76	1000	150
	36	d-e	2300	S/B N12	1500	200
Noble Drlg	N-83	del	1530	Nat 80B	1530	150
ONEOK Drlg	1	d-m	900	MC U15	950	130
Ratliff Drlg	8	g-b	1020	Nat 50A	1020	100
Robinson Bros Drlg	5	del	1000	Oiwl 86	900	110
Santa Fe Drlg	1M	del	800	Nat 50A	800	120
	3M	del	1100	OIME SL 1000	1100	140
	5M	del	600	OIME SD-5	784	120
Tried Drlg	3	del		S/B N55	800	120
	5	del		Idco Super 750	1100	140
U R C Drlg	2	del	1100	Nat 100	1100	150
	3	del	880	MC U36A	880	125
	6	del	1600	Idco BIR7585		105
Unit Drlg & Expl	8	del	1000	Nat 55	1500	150
Warrior Drlg	5	del	2000	BDW	1200	150

OKLAHOMA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
CARTER						
Arden Drlg	6	d-e	3200	C-E C3	3000	350
Ardmore Drlg	1	dsl	450	Idco H30-D	450	50
	4	gas	600	Wils	400	500
Big Chief Drlg	12	gas	1600	Nat 80B	1600	140
Cliffs Drlg	42	d-e	2600	Nat 1320UE	3025	250
Fossil Drlg	2	dsl	1350	G-D 500M	900	120
Johnson Bates Drlg	14	dsl	700	MC U15	450	75
Jones Drlg Corp	8	gas	700		700	120
	9	gas	816		800	140
Little-Deutag	T-11	dsl	1700	Nat 80B	1000	154
	T-12	dsl	1300	Idco H525D	670	80
Nicor Drlg	42	d-e	2000	MC U914EC	1400	210
Parker Drlg	215	gas	2200	OIME SL1500	2200	220
CIMARRON						
Service Drlg (TX)	3	dsl	300	MC U34	400	65
CLEVELAND						
Fossil Drlg	1	dsl	1150	C-E GB350	800	100
Top Drlg	6	dsl	350	Nat T32	350	75
COMANCHE						
Bonray Drlg	9	d-e	3000	Olwl E2000	2000	250
Continental Drlg	10	d-e	3200	Idco E2100	2000	250
	13	d-e	2000	Idco ED1200	1200	160
	4	d-e	3200	Idco E2100	2000	250
	7	d-e	3200	Idco E3000	3000	300
Drillers	48	d-e	3600	Idco E3000	3000	300
Eason Oil	23	d-e	3200	C-E C3E	3000	300
JFP Well Serv	8	dsl	2000	Olwl E2000	2000	250
Loffland Bros	18	d-e	2600	MC U1220EB	2200	280
	19	d-e	3200	C-E C3000	3300	350
	200	d-e	3300	C-E 3000 Type II	3300	500
Mercury Drlg	5	dsl	1350	G-D 1100	2775	220
Nicor Drlg	29	d-e	2700	G-D E1500	2000	250
	45	d-e	2700	MC U1220EB	2000	250
	47	dsl	2600	C-E C3E	2000	250
	70	dsl	2700	G-D 1500E	2000	250
Parker Drlg	193	dsl	3200	OIME 3000E	4000	350
	203	dsl	2600	OIME E2000	2000	250
Penrod Drlg	118	dsl	1600	Nat 1625M	3000	300
	127	dsl	1000	Nat 80B	1760	150
	21	dsl	2600	Nat 1320M	1950	150
	3	dsl	2600	Nat 1320M	3425	250
Ratliff Drlg	1	dsl	2640	Olwl 96	2640	240
	20	dsl	3600	UIZZOEB	2500	300
Robinson Bros Drlg	23	d-e	3200	C-E C2	2000	260
Sandia Drlg	4	dsl	4000	C-E C1	4000	220
Santa Fe Drlg	22W					
CREEK						
Mar-Tay Drlg	1	dsl	450	Crwdll K200C	350	50
Whitehead Drlg Contr	1	dsl	450	Wils Model 30	425	40
Winter Drlg & Expl	4	dsl				
CUSTER						
Arden Drlg	1	d-e	1600	C-E D2	1200	160
	13	dsl	1600	Idco H7-11	700	120
	9	d-e	2000	C-E D2	1000	140
Bates-Great Western Energy	6	dsl	1560	MC U20	1040	160
Continental Drlg	16	d-e	2000	Idco ED1200	1200	160
	32	d-e	2600	Idco E1700	1700	190
Cothrum Drlg	18					
Drillers	30	dsl	800	Unit U15M	1000	110
	42	d-e	3000	C-E Electrohoist	3000	250
Durkee Drlg	3	d-s	4000	Sup 2000UE	2000	250
Eason Oil	18	d-e	2300	C-E C1E	1500	210
FWA Drlg	34	dsl	2200	Olwl 760	1560	150
Grace/T R G Drlg	17	d-e	2200	G-D 1500E	2400	220
Harper-Turner Drlg	11	dsl	2000	Nat 110	1500	200
Helmerich & Payne Intl Drlg	49	dsl	1850	Nat 110	1815	180
Lanex Drlg	B-15	d-s	2000	C-E D3	1000	160
	B-16	d-s	2000	G-D 800E	1000	160
	B-18	d-s	2700	G-D 1100E	1500	200
	B-20	d-s	2600	C-E EHII	2000	200
Loffland Bros	196	d-e	3300	MC U1220	2200	280
	20	d-e	3200	C-E C3000	3000	350
	244	d-e	2500	MC U1220E	2200	280
	32	d-e	4000	C-E CE3000	3300	350
Magic Circle Drlg	17	dsl	2460	Olwl 96	2460	200
Moran Drlg, E W	11	dsl	2600	Wils 150A	1650	200
	4	dsl	1600	Wils 120	1100	150
	5	dsl	1850	Wils 120	1100	180
Nicor Drlg	1	dsl	1500	MC U20	1200	150
	56	d-e	2700	MC U1220EB	2000	250
	64	d-m	1700	C-E GB800	1000	150
ONEOK Drlg	11	dsl	2000	Nat 100	1000	200
	12	d-e	2000	Olwl 840E	2000	180
	8	dsl	835	S/B N55	950	135
Parker Drlg	210	dsl	2200	OIME 1500E	2200	220
	205	dsl	2200	OIME 1500C	2200	220
Quarles Drlg	14	dsl	2700	MC U914C	2400	220
	8	dsl	2000	OIME SD 7E	1000	220
	9	dsl	2000	OIME SD 7E	1000	220
CUSTER (Cont'd)						
Resource Drlg	RD-21	dsl	2330	Nat 110	2740	180
	RD-27	dsl	1560	Nat 80B	1835	140
	7	dsl	1560	Nat 80B	1835	140
Robinson Bros Drlg	7	d-e	1750	Nat 80UE	1500	120
Santa Fe Drlg	14M	dsl	700	BDW 800	1000	140
	15M	dsl	750	BDW 800	1000	140
	17-W	dsl	1300	Nat 110	1500	160
	17W					
	21W					
	9M	dsl	600	BDW-800MX	1500	180
	95W					
Slawson Drlg	8	dsl	750	Idco H725	750	115
Top Drlg	1	dsl	650	S/B N7	900	100
Tri-Service Drlg	12	d-s	3300	Olwl E2000	2000	250
Triad Drlg	10	dsl		G-D 700	1100	150
Unit Drlg & Expl	25	dsl	600	G-D 700	1300	160
	26	gas	600	Nat 75	600	150
Viersen & Cochran Drlg	15	dsl	1010	Olwl 660	830	130
	17	dsl	600	Olwl 660	830	120
Warrior Drlg	2	dsl	1600	S/B 75	1200	150
Wilson Bros Drlg	1	d-e	2600	Idco E2100	2100	210
	14	dsl	2600	Nat 110	2700	200
	15	dsl	2600	Nat 110	2700	200
	16	dsl	2600	Nat 1320	2700	300
	17	dsl	2600	Nat 110	2700	200
	18	dsl	1300	Nat 110	3300	200
	19	dsl	800	Nat 80B	1425	160
	21	dsl	800	Nat 80B	1425	160
	22	d-e	2800	Olwl E2000	2000	250
DEWEY						
Apollo Drlg Inc	2	dsl	1500	Nat 80B		160
Arden Drlg	2	dsl	800	C-E WS1	800	120
Beard Drlg (OK)	3	dsl	1379	MC U10	1029	140
Brinkerhoff-Signal	68	dsl	700	Nat 55	700	125
Cactus Drlg Co	3	dsl	1560	Nat 80B	1800	150
Drillers	39	d-e	1200	Idco 700E	1000	140
Eagle Drlg	3	dsl	1100	BDW 800	1500	140
Eason Oil	21	d-e	2000	C-E D2	750	130
Exeter Drlg	49	dsl	900	MC U3657	1000	120
FWA Drlg	5	dsl	1400	Wils Giant	850	115
Harper-Turner Drlg	1	dsl	800	Nat 55	1000	120
Helmerich & Payne Intl Drlg	55	dsl	1100	Nat 55	1210	140
	84	d-s	1700	Olwl 760E	760	160
Loffland Bros	73	d-e	2160	MC U712A	2200	180
Mercury Drlg	1	dsl	1000	C-E 800	1470	160
	6	dsl	1000	C-E 500	1470	140
Robinson Bros Drlg	GBL	dsl	1250	Idco 1200	1000	120
Schlensker Drlg	10	gas	900	G-D 800M	1350	160
Seneca Drlg	3	d-e	800	MC U36EA	800	140
Top Drlg	4	dsl	1200	Olwl 660	1200	140
Triad Drlg	4	dsl		S/B N7	800	110
Unit Drlg & Expl	22	gas	495	Nat 50	600	100
	24	dsl	600	G-D 800	1200	150
Viersen & Cochran Drlg	12	gas	500	Nat 50	800	90
	20	dsl	1245	Nat 610	1245	130
DUNCAN						
Adeco Drlg & Engr	17		690	OIME SL750	1035	140
ELLIS						
Bonray Drlg	21	dsl	990	Idco H750	660	120
Exeter Drlg	53	gas	1000	S/B 75	1000	150
Forex Neptune and/or Affil	46	d-e	3200	G-D 1100E	1500	180
Grace/T R G Drlg	2	dsl	825	G-D 500M	870	100
Hickman Drlg	3	dsl	1200	BDW 650	800	120
	5	dsl	1450	BDW 800	1100	150
	6	dsl	1450	BDW 800	1100	150
Moran Bros	37	dsl	1000	Nat 610	750	120
Moran Drlg, E W	7	dsl	1600	G-D 700	800	130
Murco Drlg	30	dsl	2800	Olwl N200B	3000	250
Nicor Drlg	63	dsl	2650	Olwl 96	1500	180
Robinson Bros Drlg	12	dsl	800	G-D 700	1000	[illegible]
	14	dsl	900	Nat 50	800	110
	21	dsl	1500	BDW 650M	1300	140
Sage Drlg	5	dsl	400	Nat T32	400	67
Unit Drlg & Expl	11	dsl	1100	G-D 700	1300	150
	2	dsl	700	MC U15	800	125
GARFIELD						
Arden Drlg	14	dsl	1300	Nat SS	700	120
Bodard & Hale Drlg	12	dsl	450	MAC 400	525	75
Harper-Turner Drlg	4	dsl	600	Nat 50	820	90
Hughes Drlg	1	dsl	550	Idco H35	475	80
	10	dsl	550	Cbot 550	475	80
	2	dsl	550	Idco H35	475	80
	3	dsl	1100	Idco 725	900	130
	4	dsl	600	Idco H44	700	90
	5	dsl	550	Idco H35	400	62
	7	dsl	550	Idco H37	475	80
	9	dsl	550	Cbot 550	475	80
Iron Drlg	1	dsl	500	MC U35A	450	70
	2	dsl	900	MC U15	600	90
	3	dsl	1050	Beth S45E	600	80
GARFIELD (Cont'd)						
Logan Drlg	4	dsl	1200	BDW 650	900	100
Nicor Drlg	14	dsl	625	G-D 500M	650	100
	19	dsl	1650	Idco 750	750	150
	5	dsl	1000	Beth C50	450	100
	8	dsl	755	Nat 50CA	425	110
ONEOK Drlg	6	dsl	875	MC U15	950	135
Sabre Drlg Div TRG Drlg	8	dsl	1050	MC U15	1050	90
Sumpter & Barker Drlg	1	dsl	930	Wils Mogul 4[illegible]	430	65
Thomas Drlg	8	dsl	300	Idco H35	300	75
GARVIN						
Bates-Great Western Energy	16	dsl	1000	BDW 800MX	1000	140
Big Chief Drlg	41	gas	1400	S/B N75	900	120
	42	dsl	1800	Nat 80	1800	150
	48	d-s	4000	G-D 3000E	3000	350
Bodard & Hale Drlg	7	dsl	550	Beth S55	600	80
	8	dsl	650	MC U36A	1100	135
Falcon Drlg	1	dsl	400	Beth S45A	400	70
Fossil Drlg	4	dsl	1300	MC U15	900	140
Johnson Bates Drlg	3	dsl	1100	MC U34	1100	105
Ratliff Drlg	7	g-b	1020	Nat 75CB	1020	150
Resource Drlg	RD-28	dsl	1040	Nat 610	1220	120
	RD-29	dsl	1560	Nat 80B	1835	140
Top Drlg	2	dsl	1200	Olwl 660	1200	140
GRADY						
Arden Drlg	3	dsl	2500	C-E C1	1500	200
	4	dsl	1800	C-E D2	1000	160
	8	dsl	3400	C-E CE3000	3000	300
Beard Drlg (OK)	2	gas	1200	MC U15	800	120
Big Chief Drlg	36	dsl	1400	Nat 55	900	110
	43	dsl	2000	Nat 80B	2250	160
Cactus Drlg Co	35	d-e	3220	Nat 110UE	3220	200
Challenger Drlg	72	dsl	4000	G-D 3000E	3000	300
Cothrum Drlg	19					
Crescent Drlg	1	dsl	400	Beth S45E	400	70
Culver Drlg	3	dsl	800	G-D 800	800	160
Dual Drlg	15	dsl	2600	Wils 150A	1650	190
	4	dsl	2400	Nat 110	1500	190
Durkee Drlg	2	d-s	2000	Sup 1000UE	1000	180
Grace/T R G Drlg	14	d-e	2000	G-D 1100E	2400	180
	75	d-e	2200	Nat 1320UE	2400	220
Helmerich & Payne Intl Drlg	55	d-s	1600	Nat 80UE	800	150
Loffland Bros	206	g-e	2160	MC U914B	2200	200
	99	gas	1300	MC U20	1300	150
M G F Drlg-Lafayette	46	dsl	1800	Idco S711	1500	180
Magic Circle Drlg	12	dsl	900	Nat 50A	900	120
	16	gas	1300	Beth M810	1300	160
Mercury Drlg	12	dsl	1000	G-D 800	2010	200
	3	dsl	1000	Olwl 96	2010	220
	8	dsl	1000	G-D M700	1470	170
Noble Drlg	OW-23	d-e	3750	Olwl E2000	2000	250
Parker Drlg	178	dsl	3000	OIME Hercules 3000E	3000	300
	186	dsl	2200	OIME 1500	2200	220
	196	dsl	3200	OIME E3000	4000	350
	213	dsl	2200	OIME SL1500	2200	220
Pilgrim Drlg	4	d-e	2000	Olwl 840EHD	2000	220
Ratliff Drlg	14	dsl	2640	MC U1220B	2640	280
Sandia Drlg	2	dsl	4000	C-E C1	4000	220
	5	dsl	2000	C-E D2	2000	160
Santa Fe Drlg	18-W	dsl	3200	Olwl E2000	2000	250
	19-W	dsl	2000	Olwl E2000	2000	250
	19W					
	8M	d-e	1500	OIME SD7E	2400	180
Thomas Drlg	1	dsl		S/B N42		110
Unit Drlg & Expl	10	dsl	1000	Beth M58	1300	155
	23	dsl	600	MC U15	600	100
Viersen & Cochran Drlg	10	dsl	2000	Nat 100	1040	170
	18	dsl	1000	Nat		
	4	dsl	600	Nat 55	800	120
Warrior Drlg	3	dsl	1800	Nat 100	1800	170
GRANT						
Cactus Drlg Co	57	dsl	520	Idco H35	454	65
Mendenhall Drlg	1	dsl	350	Fail 90	318	50
Thomas Drlg	5	dsl	425	Wils Giant	400	89
Vaughn Good Drlg	1	dsl	500	Coop 600	500	90
HARPER						
Beredco	1	dsl	800	MC U15	800	90
Challenger Drlg	3	dsl	700	Nat 50A	750	100
Damac Drlg	3	dsl	620	Wils Mogul	620	95
Drillers	36	dsl	800	C-E GB350	700	85
Gabbert-Jones	3	dsl	410	C-E 350	475	80
H30 Drlg	77	dsl	525	Idco H40	600	80
Moran Drlg, E W	24	dsl	920	S-H 7000	450	95
Rine Drlg	5	dsl	700	S/B N55	700	90
	7	dsl	750	G-D 700	750	135

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
HASKELL						
Alexander Drig	1	dsl	800	MC U34	500	65
Grace Miller Drig	120	gas		S-H 7000		80
Moran Drig, E W	14	dsl	1600	Wils 150	1650	150
	16	dsl	920	S-H 7000	450	95
HUGHES						
R W I T Drig	2	g-l	690	MC U34	280	60
	8	g-l	601	MC U34	280	60
Rockwell Drig	20	dsl	670	MAC 350	550	65
	22	dsl	670	C-E G36	450	70
JACKSON						
Burns L D Drig	1	dsl	1360	Sea Coast 10004S	780	140
Lee Drig	2	dsl	850	BDW 450T	550	90
JEFFERSON						
Drillers	26	dsl	700	C-E GB500	700	100
Jones Drig Corp	14	dsl	1200		1200	140
	15	dsl	900		1000	140
	7	gas	700		750	120
Little-Deutag	T-37	dsl	1600	Coop LTO750	750	100
Moran Drig, E W	15	dsl	950	Beth S55	550	100
Noble Drig	N-85	dsl	1830	Nat 80B	1830	150
	N-87	dsl	1200	Nat 80B	1200	150
ONEOK Drig	5	dsl	860	Nat 50CA	950	100
Pilgrim Drig	1	dsl	750	Idco H35	600	120
	2	dsl	1500	Olwl 76	1500	160
	5	dsl	775	Nat 50CA	950	120
Ratliff Drig	9	gas	700	Nat 50A	1020	110
Roberson Drig	3	gas	700	MC U15	600	100
Thomas Drig	11	dsl	300	Wich R-6	300	60
KAY						
Kay Drig	1	dsl	480	S/B N4	480	60
KINGFISHER						
Astro Drig	15	dsl	912	Wils Super GI	912	105
	18	dsl	556	Idco H1000	940	120
	20	dsl	550	Cbot 550	456	85
	21	dsl	2500	Nat 100	1500	180
	28	d-e-s	2000	I-R 2550	1500	160
Beard Drig (OK)	1	gas	675	C-E G450	450	100
	4	dsl	1379	MC U10	1029	140
Cactus Drig Co	56	dsl	800	S/B N55	1000	90
Magic Circle Drig	15	dsl	900	MC U15	900	120
Maratan Resources	2					
Nicor Drig	28	dsl	700	MC U15	700	115
Robinson Bros Drig	3	dsl	1000	Wils 75	900	90
Thomas Drig	9	dsl	640	S/B N46	640	130
Vaughn Good Drig	2	dsl	1100	Coop 650	600	120
KIOWA						
Moran Drig, E W	30	d-e	3200	G-D 1500E	2000	250
Unit Drig & Expl	27	dsl	1600	G-D 1500	2400	250
LATIMER						
C E C Drig	2	dsl	1100	MC U15	800	100
Dual Drig	18	dsl	1850	Beth M-810	1100	150
	2	dsl	950	Wils Giant	650	95
Exeter Drig	46	dsl	900	S/B N75	900	140
Grace Miller Drig	102	gas	675	MC U15	675	120
	110	dsl	1500	OIME SL1500	1500	200
	117	dsl	1000	OIME SL7	1500	200
	122	dsl		BDW 800		150
Lanex Drig	A-15	d-s	2000	C-E D3	1000	160
	B-12	d-s	1600	C-E D2	750	130
Quarles Drig	1	dsl	1500	OIME 750	750	145
Unit Drig & Expl	17	dsl	700	S/B N75	1300	150
	29	dsl	1000	S/B N75	1200	160
LINCOLN						
R W I T Drig	9	g-l	610	Wils	280	60
Sabre Drig Div TRG Drig	6	dsl	450	Nat T20	335	60
LIVINGSTON						
Nicor Drig	49	d-e	3200	G-D 1500E	2000	250
LOGAN						
Basin Drig	1	dsl	600	G-D 500M	820	100
	10	dsl	600	G-D 500	820	100
	14	dsl	1470	G-D 700	1220	140
	2	dsl	600	G-D 500M	820	100
	3	dsl	500	G-D 500M	820	100
	4	dsl	1600	G-D 700M	820	140
	7	dsl	600	S/B N45	820	80
	8	dsl	750	C-E D2	820	130
	9	dsl	600	G-D 500	820	100
Bodard & Hale Drig	5	dsl	450	MC U34	425	65
Johnson Bates Drig	4	dsl	400	MC U34	375	65
Sabre Drig Div TRG Drig	4	dsl	600	Nat 370	525	75
Scott Drig, Jerry	7	dsl	350	Wils Giant	350	70
Smith Bros Drig	7	dsl	450	Cbot 5000	450	50
	8	dsl	725	RMI 800	800	100
	9	dsl	1200	Wils 75	950	125
LOVE						
Arbuckle Drig	1	dsl	450	BDW 450T	600	90
Nicor Drig	6	dsl	1500	Nat 55	700	135
Thomas Drig	6	gas	600	Nat 50A	600	130
McCLAIN						
Culver Drig	16	dsl	800	G-D 700	800	140
Exeter Drlt	48	dsl	1000	BDW 800MI	900	150
Harper-Turner Drig	2	dsl	800	Nat 50	820	105
Moran Drig, E W	1	dsl	1700	G-D 700	800	150
Nicor Drig	2	dsl	1300	MC U15	700	120
ONEOK Drig	10	dsl	1000	MC U20	1500	180
	7	d-e	1500	MC U20	1000	160
	9	dsl	820	MC U15	980	130
Quarles Drig	7	dsl	1050	Nat 750A	800	140
Ratliff Drig	2	gas	1020	Nat 55	1020	140
Scott Drig, Jerry	6	dsl	1342	MC U15	1342	105
	8	dsl	1520	MC U15	1000	110
Trigg Drig	4	dsl	700	Nat 75	950	120
MAJOR						
Bonray Drig	6	dsl	700	Nat 50A	700	90
Cimarron Oper	1	dsl	750	Idco BIR5525	450	65
FWA Drig	21	dsl	1000	Wils Mogul 42	720	100
	9	dsl	1150	Wils Giant	720	115
Thomas Drig	4	dsl	600	C-E 500	600	102
Top Drig	3	dsl	400	Olwl 500	450	85
U R C Drig	1	dsl	860	Nat 50	860	100
Viersen & Cochran Drig	22	dsl	1245	Nat 610	1245	120
Warrior Drig	1	dsl		C-E	400	50
MARSHALL						
Moran Drig, E W	8	dsl	2200	Wils 150A	1650	150
MURRAY						
Leeman Drig	1	dsl	500	Coop 550	525	80
NOBLE						
Bodard & Hale Drig	6	dsl	600	Nat T20	450	65
Bonray Drig	7	dsl	476	Coop 66	318	60
Fisher Drig	1	dsl	400	S/B N4	400	60
Harper-Turner Drig	12	dsl	600	Coop	700	90
McLennan Drig	5	dsl	450	Cbot 658	318	40
Sabre Drig Div TRG Drig	9	dsl	450	MC U34	450	60
NOWATA						
Winter Drig & Expl	1	dsl	900	Jaswell J2400	900	24
	2	dsl	900	Jaswell J2400	900	24
OCHILTREE						
Unit Drig & Expl	7	dsl	500	MC U15	800	110
OKFUSKEE						
Magic Circle Drig	14	dsl	320	Cbot 2042	700	95
Scott Drig, Jerry	10			450		
OKLAHOMA						
Basin Drig	15	dsl	1000	MC U712A	1200	170
	16	dsl	1350	MC U914C	1400	220
	17	dsl	1350	MC U914C	1400	220
Beard Drig (OK)	5	dsl	1379	C-E D2	1029	150
Big Chief Drig	20	gas	1200	MC U40	960	135
	30	gas	1515	Idco 1050	1515	150
Bigard Drig, James	11	d-e	1000	Idco ED1200	2000	200
	18	d-e	1000	Idco ED1200	2000	200
Bonray Drig	8	dsl	850	Coop 750	650	100
C E C Drig	5	dsl	2400	G-D 800	1600	180
	6	dsl	2400	G-D 800	1600	180
Culver Drig	2	dsl	700	Nat 50A	700	120
	5	dsl	800	G-D 800	800	160
Drillers	21	dsl	300	C-E GB350	450	60
	40	d-e	2100	G-D 1100E	2100	240
Eason Oil	19	dsl	1800	C-E D2	750	130
	20	d-e	2000	C-E D3	1000	160
Grace/T R G Drig	3	d-m	750	G-D 700M	1100	130
Johnson Bates Drig	1	gas	350	MC U34	300	57
	2	gas	325	MC U34	245	65
	5	dsl	1000	MC U15	1100	100
Nicor Drig	3	dsl	1000	MC U15	700	115
	65	d-e	2700	MC U914EC	1400	210
	71	d-e	2000	MC U914EC	1400	210
Parker Drig	114	d-e	2700	Idco 3000E	3000	300
	142	dsl	2600	Nat 1320E	3000	250
	164	dsl	1650	OIME SL1500P	1650	200
	166	d-e	3000	OIME 3000E	3000	300
	181	dsl	3000	OIME Hercules 3000E	3000	300
	204	dsl	2200	OIME E1500C	2200	220
	208	gas	2200	Idco 711	2200	180
	217	gas	3200	OIME E2000	2000	250
	43	gas	1800	Olwl 96	1800	200
	47	gas	1400	OIME 1500P	1400	200
	71	gas	1600	Nat 125	1600	200
OKLAHOMA (Cont'd)						
Ratliff Drig	10	gas	1020	Nat 50	1020	100
	11	dsl	850	S/B N7	850	100
	12	dsl	700	G-D 500M	700	120
	16	dsl	750	MC U15	750	100
	17	dsl	700	Nat 50A	700	120
Sabre Drig Div TRG Drig	7	dsl	600	MC U15	450	75
Sandia Drig	6	dsl	4000	C-E C3	4000	350
Santa Fe Drig	20W					
	7W					
TWT Expl	54	dsl				100
	61					
Warren Interstate Drig	1	dsl	1000	Cbot 2042TDHT	700	107
OSAGE						
Equity Drig	150	dsl	300	Fail 2500	300	30/ 3.5"
	175	dsl	300	Wils Super 38	300	42
Hughes Drig	16	dsl	650	Speedstar SS40	375	40
	17	dsl	650	Speedstar SS40	375	40
McLennan Drig	4	dsl	318	G-D	238	20
PAWNEE						
McLennan Drig	3	dsl	450	Cbot 658	318	45
	5	dsl	450	Cbot 658	318	45
PAYNE						
Arden Drig	21	dsl	300	Coop M21	300	50
Bodard & Hale Drig	4	dsl	450	MC U34	400	65
Hughes Drig	15	dsl	550	Cbot 550	475	80
	6	dsl	550	Idco H35	400	62
Porter Drig, Gene	1	dsl	600	MC U34	435	60
Sabre Drig Div TRG Drig	153	dsl	450	MC U34	450	60
Venture Drig	1	dsl	550	Cbot 750	750	75
PITTSBURG						
Alexander Drig	2	dsl	800	C-E G42	800	125
	3	dsl	1000	C-E J1100	1200	150
Basin Drig	13	dsl	1470	G-D 700	1220	140
Cactus Drig Co	51	dsl	800	S/B N55	1000	90
Culver Drig	22	dsl	800	Coop 750	800	95/ 4"
Dual Drig	1	dsl	1500	Wils 75P	900	125
	10	dsl	1500	Wils 120	1100	150
FWA Drig	10	dsl	1150	Wils Giant	720	115
Grace Miller Drig	111	dsl	350	S-H 5000	300	60
Lagersen Drig	4	d-e	2000	C-E J1100E	2500	220
Seneca Drig	1	d-e	800	MC U36EA	800	140
	2	d-e	800	MC U36EA	800	140
Unit Drig & Expl	5	dsl	600	MC U15	800	120
PONTOTOC						
Bauich Drig	1	dsl	350	S/B N4	275	48
Rockwell Drig	18	dsl	670	MC U34	450	50
Royal Drig	1	dsl	300	C-E GB160	300	42
T E K Drig	F1500	gas	350	Fail 1500	350	15
	WS	dsl	265	Wils Super	265	45
POTTAWATOMIE						
Bodard & Hale Drig	10	dsl	450	Olwl 52T	600	90
	11	dsl	450	MAC 300	450	65
	14	dsl	450	S/B N4	450	65
	15	dsl	450	MAC 400	525	75
	16	dsl	450	Idco H37	450	65
	9	dsl	550	Beth S55	700	90
Challenger Drig	26	dsl	30	Nat T20	600	50
Rockwell Drig	24	dsl	450	MAC 300	450	50
Scott Drig, Jerry	2	dsl	420	MC U34	430	65
	5	dsl	375	Beth S45	375	60
ROGER MILLS						
Arden Drig	10	d-e	2000	C-E D3	1200	160
	12	d-e	2600	Nat 110UE	1500	220
	5	d-e	2400	C-E D3	2000	180
Astro Drig	17	dsl	1050	Cbot 750	700	110
Brinkerhoff-Signal	56	d-e		C-E A110E	2700	180
Challenger Drig	32	dsl	2400	Nat 1320	2400	200
	37	dsl	2400	Idco 2500	2400	280
Cliffs Drig	38	d-e	2800	Olwl 840E	3300	180
Continental Drig	1	d-e	3200	Idco E2100	2000	250
	12	d-e	2000	Idco ED1200	1200	160
	5	d-e	2600	Idco E1700	1700	190
Culver Drig	7	d-e	2000	G-D 1500	2000	250/ 5"
	8	dsl	1200	OIME SL7A	1200	180/ 5"
	9	dsl	1800	Nat 110	1800	180/ 5"
Eason Oil	12	dsl	2000	Nat 80B	1200	160
	25	d-e	2600	C-E C1E	1500	210
Exeter Drig	54	gas	350	Nat 50	600	120
Forex Neptune and/or Affil	52	d-e	3200	G-D 1500E	2000	217

OKLAHOMA (Cont'd)

ROGER MILLS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
FWA Drlg	7	dsl	1500	Wils Titan	1040	140
Grace/T R G Drlg	12	d-e	1500	G-D 800E	1800	150
	15	dsl	1000	G-D PZ8	1305	140
	16	d-e	1500	G-D 1100E	1800	150
	23	dsl	1400	Nat 80B	1305	145
Harper-Turner Drlg	10	dsl	2000	Nat 80B	1500	160
Helmerich & Payne Intl Drlg	44	dsl	1650	Nat 110	1815	220
	54	dsl	1100	Olwl 76	1210	160
	92	d-e	2000	Nat 110ME	1500	200
	93	dsl	1600	Nat 80B	800	150
	97	d-e	3400	Olwl E2000	2000	260
Lanex Drlg	A-12	d-e	1600	C-E D2	750	130
Loffland Bros	123	gas	1975	Nat 130	2200	260
	311	dsl	2250	G-D 1500	2500	240
Mercury Drlg	14	dsl	1000	MC U914	2100	220
Moran Bros	67	dsl	1700	C-E D3 Type III	1000	150
Moran Drlg, E W	2	dsl	1500	G-D 700	800	150
Nicor Drlg	31	d-e	2000	MC U914EC	1400	210
Noble Drlg	OW-841	el	2775	Olwl 840E	1400	200
Nowotny & Conley Drlg	6	d-e	3200	Nat 1320UE	3000	250
Parker Drlg	218	gas	1400	OIME 1000C	1400	180
	59	gas	1650	OIME 1500E	1650	200
Penrod Drlg	131	dsl	1000	Nat 80B	1760	
Ratliff Drlg	31	dsl	1650	Texas Flange	1650	180
Rowan Drlg US	14	dsl	3200	Nat 1625M	3000	350
	31	dsl	3200	Nat 1625	3300	300
Sandia Drlg	3	dsl	3000	C-E D3	3000	180
Santa Fe Drlg	15-W	dsl	3200	C-E C3	3000	300
Sharp Drlg	369	d-e	1486	MC U712EC	1985	180
Slawson Drlg	9	dsl	1400	Idco H900	950	140
Triad Drlg	7	dsl		G-D 800	1100	160
	8	dsl	2250	G-D 1500	2250	240
Viersen & Cochran Drlg	1	dsl	800	Olwl 660	800	120
	21	dsl	1500	Nat 80B	1500	185
	3	dsl	800	Nat 75CA	800	140
	5	dsl	800	Olwl 660	800	120

SEBASTIAN

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Grace Miller Drlg	108	gas	450	MC U15	450	80

SEMINOLE

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Johnson Bates Drlg	15	dsl	1350	Wils Titan	1575	140
	7	dsl	1000	Wils Titan	1350	120
	8	dsl	1000	Wils Giant	1050	120
Scott Drlg, Jerry	1	dsl	350	S/B N4	350	55
Sloan Drlg	10	dsl	370	MC U34	475	65
	12	dsl	370	S/B N4	475	65
	14	dsl	370	Nat T20	500	65
	16	dsl	400	Wils 42	600	70
	18	dsl	450	Wils 42	450	70
	20	d-e	1000	Wils 90EH	1000	140
	26	dsl		Dugan Machine DS5	265	85

STEPHENS

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
C E C Drlg	4	dsl	1400	G-D 500	800	120
Challenger Drlg	23	dsl	1800	G-D 11100	2700	180
Compadre Drlg & Expl	1	dsl	360	W-N A25040	360	60
Exeter Drlg	47	dsl	910	C-E 450	900	120
	51	gas	860	MC	700	11
Guffey-Schlenker Drlg	2	dsl	600	S/B N45	700	80
Helmerich & Payne Intl Drlg	8	dsl	1100	Nat 55	1210	140
Jones Drlg Corp	10	dsl	2000		2000	200
	11	dsl	600		600	100
	16	dsl	850		1400	160
	18	dsl	600		600	80
	2	dsl	385		385	50
	5	gas	400	Beth S45	400	70
	6	dsl	500		400	70
Loffland Bros	104	d-e	3300	C-E 3000	3300	350
Thomas Drlg	10	dsl	600	Wils Super Giant	800	110
Top Drlg	5	dsl	1000	MC U15	1000	100
Trigg Drlg	5	g-b	500	Nat 50A	800	100
Vi-Rol Drlg	1	dsl	435	Wils Mogul 42	435	65
	2	dsl	120	HT 100	210	30

TEXAS

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Damac Drlg	8	dsl	550	Cbot BIR550	450	65
Service Drlg (TX)	10	dsl	300	MC	400	50
	2	dsl	450	MC U34	450	60
	5	dsl	1000	MC U15	900	100
	8	dsl	800	MC U15	630	70

TILLMAN

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Burns L D Drlg	4	dsl	888	Wils 75	780	120/4"

WASHITA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Bonray Drlg	1	dsl	1230	Olwl 760	1230	160
	2	dsl	1650	Olwl 860	1650	200
	20	dsl	1680	Idco Super 711	1680	170

OKLAHOMA (Cont'd)

WASHITA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Bonray Drlg	30	dsl	2400	Nat 1320	2400	250
	31	dsl	2400	Nat 1320	2400	250
	32	dsl	1600	Nat 110	1600	200
Cactus Drlg Co	29	dsl	1630	Nat 110	2700	200
	6	dsl	1040	Idco 711	1200	140
Challenger Drlg	6-E	dsl	900	Nat 80E	1000	140
Drillers	10	dsl	1000	Nat 100M	1000	180
	44	d-e	2000	G-D 2000	2000	225
Durkee Drlg	10	d-e	4000	Idco E2100S	2000	250
Eason Oil	24	d-e	2600	C-E C1E	1500	210
Grace/T R G Drlg	132	d-e	3000	G-D 3000E	3000	300
	19	d-e	2200	G-D 1500E	2400	220
Haning & Young Drlg	151	d-e	2000	S/B NE95	1700	180
Helmerich & Payne Intl Drlg	48	dsl	1640	Nat 110	1820	220
	78	d-e	2000	Nat 110UE	1500	200
	89	d-e	2730	Nat 110UE	2730	200
	96	d-e	1600	Nat 80UE	800	150
	98	d-e	2000	Nat 110ME	1500	200
	99	d-e	3400	Olwl E2000	2000	260
Lagersen Drlg	8	d-e	2000	C-E CIE	2500	220
Loffland Bros	218	d-e	3300	MC U1220E	2200	280
	227	dsl	2400	MC U914A	2500	220
	324	dsl	2250	G-D 1500	2500	240
	327	dsl	2250	G-D 1500	2500	240
Magic Circle Drlg	18	d-e	4000	C-E C2	2000	250
Moran Drlg, E W	9	dsl	2600	Wils 150	1500	180
Murco Drlg	50	d-e	2200	Olwl 860E	2000	180
	54	d-e		G-D 1100E		180
Nicor Drlg	55	d-e	2000	MC U914EC	1400	210
Noble Drlg	GD2	dsl	3135	G-D 2100	3135	250
	214	gas	2200	OIME 1500C	2200	220
Quarles Drlg	12	dsl	2700	MC U914C	2400	220
Ratliff Drlg	30	dsl	1650	Texas Flange	1650	180
Resource Drlg	RD-24	dsl	2330	Nat 110	2740	180
Robinson Bros Drlg	18	dsl	2000	G-D 1500E	2000	200
	22	dsl	2000	C-E E900	2000	150
	27	dsl	1050	Idco H725	1500	180
	6	dsl	2200	Nat	1600	180
Rowan Drlg US	30	dsl	2600	C-E A1500	2400	220
	5	dsl	3200	Nat 1625M	3000	350
Santa Fe Drlg	21-W	d-e	2600	Nat 110UE	1500	160
	22-W	d-e	2800	Nat 10UE	1500	160
	95-W	d-e	2800	Olwl E2000	2000	250
Trigg Drlg	9	d-e	2700	Beth 1350MX		220
Unit Drlg & Expl	21	dsl	1000	G-D 700	1300	160
	28	d-e	1600	G-D 1500E	2000	250
	30	dsl	2350	Beth 1350M	1800	200
Warrior Drlg	4	dsl	1800	BDW	1000	170
Willbros Drlg	10	d-e	3000	Idco E1700	3000	250

WOODS

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Johnson Bates Drlg	9	dsl	700	Beth S50	450	75
Magic Circle Drlg	11	dsl	900	Nat 50A	900	100

WOODWARD

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Big Chief Drlg	24	gas	1200	MC U15	900	110
Mercury Drlg	2	dsl	750	MC U15	940	120
Rine Drlg	3	dsl	750	S/B N55	750	95
	6	gas	700	S/B N75	750	120
	9	dsl	1000	G-D 800	1000	135
Search Drlg	1	dsl	640	Nat T32	640	60
	2	dsl	950	Idco H725C	950	100
	3	dsl	956	Idco H725C	950	100
	4	d-e	2700	G-D 1500E	3000	240
	6	d-e	2000		1000	140
Triad Drlg	2	dsl		S/B N45	550	90
Unit Drlg & Expl	14	dsl	1000	G-D 700	1300	160
	9	dsl	600	S/B N55	1050	120

OREGON

CLATSOP

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Brinkerhoff-Signal	70	dsl	550	Crdw KW250	450	65

COLUMBIA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Taylor Drlg	4	dsl	750	Nat 50	750	90

PENNSYLVANIA

UNDESIGNATED

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
International Petr Serv	2	dsl	275	CP-7000	375	40
	3	dsl	350	CPT750DH	285	45
	4	dsl	475	Wils 42	475	75

CAMBRIA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Ray Resources	8	dsl	450	S/B N56	800	100

CLEARFIELD

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Fairman Drlg	14	dsl	400	S/B	350	75
	15	dsl	300	Idco	300	50
	5	dsl	400	Crdw	350	40

PENNSYLVANIA (Cont'd)

CLEARFIELD (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Fairman Drlg	6	dsl	350	Idco H44	550	80
	7	dsl	350	Idco H44	550	80
	8	dsl	350	Idco H44	550	80
	9	dsl	400	Idco H44	500	80

ERIE

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Union Drlg	10	dsl	1200	Idco BIR5535	425	75
	12	dsl	1200	Cbot 500	425	65
	14	dsl	1200	Crdw KB250	425	65
	7	dsl	1200	Cbot 500	425	65

INDIANA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Delta Drlg	67	dsl		S-H 7000	480	90
	71	dsl	1000	S-H 7000	440	90
	77	dsl	250	Idco H35KD	291	60
	79	dsl	255	Idco H35KD	291	60
	91	dsl	255	Idco H35KD	291	60
Fairman Drlg	11	dsl	400	Idco H44	500	80
International Petr Serv	8	dsl	600	Wils Mogul 42	475	75

JEFFERSON

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Fairman Drlg	12	dsl	400	Idco	250	50

McKEAN

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Delta Drlg	72	dsl	250	S-H 7000	440	90

MERCER

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Devonian Drlg	2	dsl	880	Cbot 2042	475	60
P E P Drlg	5	dsl	550	G-D 500M	500	70

POTTER

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Delta Drlg	92	dsl	255	Idco H35KD	291	60

VENANGO

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
International Petr Serv	10	dsl	600	Wils Mogul 42	475	75

WARREN

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Devonian Drlg	1	dsl	505	Kremco K600	475	70

WESTMORELAND

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Fairman Drlg	10	dsl	400	Wils Mogul 42	350	50

SOUTH DAKOTA

HARDING

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Cardinal Drlg	15	dsl	1060	C-E GA500	760	100
Elenburg Expl	3	dsl	320	W-N CC2000	230	25

TENNESSEE

CUMBERLAND

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Delta Drlg	83	dsl	2600	C-E C1 Type III	2331	180

OVERTON

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Miller Contract Drlg	10	dsl	525	I-R	525	30
	16	dsl	525	I-R	525	30
	18	dsl		I-R T4	600	35
	2	dsl	400	I-R	400	30
	20	dsl		I-R T4	400	25
	9	dsl	525	I-R	525	30

SCOTT

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Norman Drlg, James R	1	dsl	750	I-R	450	25
	2	dsl	750	I-R	450	25

TEXAS

UNDESIGNATED

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Ard Drlg	4	dsl	900	MC U15	900	120
	8	dsl	1900	C-E 800GB	1800	160
Beerden Drlg, Jack E	4	dsl	600	Wils Mogul 42	400	65
	6	dsl	1200	Wils 75	900	95
	7	dsl	600	Wils Mogul 42	400	65
Cactus Drlg Co	99	dsl	820	Nat 370	670	90
Cothrum Drlg	1	dsl	774	C-E 350	636	95
	11	dsl	250	G-D 210B	250	100
	14					
	16					
	17					
	2	dsl	926	MC U15A	912	115
	5	dsl	1525	BDW 650	912	140
	6	dsl	750	C-E G500	600	75
	9	dsl	900	S/B N4	500	65
D B Drlg	10	dsl	675	S/B N4	480	75
	12	dsl	2000	Nat 100	1500	180
	4	dsl	675	MC U34	540	70
	5	dsl	675	S/B N4	540	75

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED (Cont'd)						
Faith Drlg	2	dsl	1500	Nat 55	1300	120
Henley Drlg	5	d-e	2800	C-E C1	1650	180
	6	dsl	2580	C-E D3	1720	140
	7	d-e	2800	C-E C2	2000	250
	9	d-e	2800	C-E C2	2800	250
Herb Expl	1	g-b		Fail 1500	100	15/ 2.38"
J & W Drlg	2	gas	180	Idco 150	180	35
	3	dsl	280	Wils Mogul 42	440	60
McMurrey Petr	1	dsl	800	S-H	750	100
	3	dsl	800	S-H	750	100
Mellon Drlg	1	dsl	750	C-E GB250	570	78
	2	dsl	1300	C-E GB350	750	100
Morrison Drlg & Prod	103	dsl	478	Idco H35	550	85
O'Neal Drlg	14	dsl	15000	Nat 80B	1500	150
	15	d-e	2000	G-D 800	1500	180
R Rigs Inc	1	dsl	350	G-D 3000	350	60
	2	dsl	350	G-D 3000	350	60
	3	dsl	375	MAC 400	400	85
	4	dsl	375	Shaf 6000S	500	85
Safari Drlg	5	dsl	370	C-E GA250T	280	50
Santa Fe Drlg	SFW-10	d-e	2000	C-E Electrohoist H11	1800	240
	SFW-12	d-e	2300	C-E A1100E	1800	200
	SFW-14	d-e	3200	C-E C3111	3000	300
	SFW-16	d-e	1300	C-E C11	2000	250
	SFW-3	d-e	2900	C-E A1500E	2000	300
	SFW-4	d-e	2800	C-E C3111	3000	300
	SFW-6	d-e	2300	C-E C3111	3000	300
	SFW-7	d-e	2600	C-E C3111	3000	300
	SFW-8	d-e	2600	C-E A1500E	2000	200
Sitton Drlg	2	dsl	650	Wils 75P	900	115
Southland Drlg	10	dsl	1600	Beth 810	1600	170
	8	dsl	700	C-E GB350	700	80
TMBR Drlg	20	dsl	350	Idco H400	500	90
Wes-Tex Drlg	18	dsl	600	Nat 50CA	900	100
	20	dsl	600	Nat 50CA	900	100
Willis Drlg	7	dsl	2500	S/B N95	2500	180
	8	dsl	1600	BDW 800	1100	120
ANDERSON						
Gibson Drlg	9	dsl	1030	Wils Mogul 75P	700	90
Grace France Drlg	7	dsl	1300	G-D 500	800	110
Hinton Drlg, W B	6	dsl	1600	Nat 80B	1650	150
Justiss Oil	25	dsl	250	C-E GC350	450	120
Rainbow Drlg	3	dsl	1600	Cbot 900	900	110
Verna Corp	25	dsl	1000	MC U15	800	100
ANDREWS						
BJM Drlg & Expl	2	dsl	800	MC U34	800	80
Cactus Drlg Co	22					
Cactus Drlg Corp	22	dsl	1650	Nat 100	1650	150
Cherokee Drlg & Dev	2	dsl	1150	Wils 75	900	11
Delta Drlg	98	dsl	1500	Wils Giant Roadair	784	125
Johnn Drlg	10	dsl	800	Olwl 66	800	100
Landis Drlg	2	dsl	1000	S/B N75	1350	140
Moran Bros	71	d-m	500	Nat 370	550	85
Rio Colorado Drlg	143	dsl	1200	Nat T45	1100	120
Rod Ric	2	dsl	450	Beth S45E	400	70
Sharp Drlg	32	dsl	1185	C-E 800	1482	165
Sterling Drlg (TX)	2	dsl	1500	Nat 610	1150	130
TMBR Drlg	1	dsl	350	MC U15CA	500	60
	17	dsl	350	MC U15CA	500	90
	25	dsl	700	G-D 500	700	110
ANGELINA						
Butler-Johnson	12	dsl	1300	G-D M700	1300	125
Lagersen Drlg	5	d-e	1600	C-E J750E	1250	180
Woolf & Magee	3	dsl	1450	G-D 700	1275	135
ARCHER						
Burns L D Drlg	8	dsl	444	MC U34B	350	75
C M D Drlg	1	dsl	400	Wils Mogul 42	400	70
Lin-Mour Drlg	5	dsl	750	C-E G-42	750	70
Megargel Drlg	10	dsl	750	MC U15	750	70
ATASCOSA						
M G F Drlg-Houston	30	dsl	750	Nat 610	800	120
South Texas Drlg	8	dsl	600	S/B N46	550	80
	9	d-e	1350	G-D 1500E	2000	250
BAYLOR						
Lin-Mour Drlg	2	gas	380	C-E G350	380	65
BEE						
Culver Drlg	11	dsl	1500	MC U814C	1500	170
BORDEN						
Bonray Drlg	3	dsl	900	S/B N7	900	105
D B Drlg	7	dsl	1380	Nat 50A	980	115
GCO Drlg	5	dsl	820	MC U15	850	90
Johnn Drlg	5	dsl	700	MC U15	700	85

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
BORDEN (Cont'd)						
McCutchen Drlg, J W	4	dsl	820	Wils 90	820	120
Quarles Drlg	5	dsl	850	Nat 50A	500	120
Robinson Drlg of Texas	2	dsl	750	MC U15	900	100
Transcontinental Drlg-San Angelo	95	dsl	750	G-D 500	750	120
	96	dsl	1000	MC U36A	850	120
Wes-Tex Drlg	9	dsl	702	Nat 50A	700	100
Willbros Drlg	4	dsl	1700	Nat 55	1280	140
BOWIE						
Grace France Drlg	4	dsl	1300	G-D 500	800	110
BRAZORIA						
Big 6 Drlg	2	dsl	800	Cbot	600	100
Challenger Drlg	48	dsl	1000	Unit U36	1000	130
Delta Drlg	101	d-s	2600	C-E C1 Type II	2730	200
Eagle Prod & Drlg Serv	10	d-e	1800	Nat 80UE	1600	180
Loffland Bros	107	dsl	2160	S/B N12	2400	170
M G F Drlg-Houston	39	dsl	2200	Nat 125	1500	200
M N D Drlg-Southern	10	d-e	1820	S/B N95	1820	200
BRAZOS						
Alco Drlg Southern	4	dsl	1550	Nat 55	550	120
	61	d-e	2600	C-E IIC	2000	200
Circle C Drlg	1	dsl	1400	Nat 100	1450	150
Cothrum Drlg	20					
Culver Drlg	4	dsl	800	S/B N45	700	100/ 4"
Delta Drlg	80	dsl	1300	S-H 7000	480	90
H S Energy/Senior Drlg	40	dsl	1500	Cbot 1200 2550	1300	135
Merit Drlg	8	d-s	1200	Olwl 660E	700	110
	9	d-s	1200	Olwl 660E	700	110
Rainbow Drlg	6	dsl	1600	Cbot 900	900	110
Resource Drlg	4	dsl	1560	Nat 80B	1835	140
Spartan Drlg	16	d-e	600	Sup 700UE	750	100
	7	d-e	600	Sup 700UE	750	100
BREWSTER						
Dual Drlg	26	dsl	1800	Wils 150A	1650	160
BRISCOE						
Robinson Bros Drlg	26	dsl	1050	Idco H725	1500	160
BROOKS						
Cliffs Drlg	29	dsl	2800	Nat 110	2475	200
Magee-Poole Drlg	4	dsl	1500	Cbot 900	950	110/ 4"
Rio Colorado Drlg	140	dsl	1200	Nat T45	900	100
BURLESON						
Basin Drlg	11	dsl	1470	G-D 700	1220	140
	12	dsl	1470	G-D 700	1220	140
Challenger Drlg	35	dsl	800	S/B N75	1200	120
Haning & Young	101	d-m	1600	Nat 610	750	125
	102	d-m	2000	OIME SL7	1000	125
Magee-Poole Drlg	12	dsl	1500	Cbot 900	950	110/ 4"
Nixon Drlg	7	dsl	400	Midway	600	65
PRC Drlg	3	dsl	1250	S/B N46	730	100
Rosamond Drlg	6	dsl	1650	C-E A550	1275	140
Spur Drlg	1	dsl	1400	Sup 1000	1000	120
Sterling Drlg (TX)	5	dsl	1230	Nat 50CA	820	110
CALDWELL						
Nixon Drlg	1	dsl	300	Crdw CalD	300	40
	4	dsl	300	Stuart	300	40
	5	dsl	300	Wils	300	40
	6	dsl	300	Stuart	300	40
CALHOUN						
Eljay Drlg	2	d-s	2800	Olwl E2000	2000	250
M G F Drlg-Houston	31	dsl	700	Olwl 76	900	120
Penrod Drlg	126	dsl	1000	Nat 80B	1760	150
	132	dsl	1000	Nat 80B	1760	
Resource Drlg	18	dsl	1040	Nat 610	1220	120
CALLAHAN						
Moss Drlg	5	dsl	725	TSM 6000	450	75
CARSON						
Hudson Drlg, Leonard	8	dsl	300	Wils Mogul	300	60
Service Drlg (TX)	6	dsl	300	MC U34	300	45
CASS						
H & S Drlg	1	dsl	1700	S/B N95	2145	140
Transcontinental Drlg-Magnolia	2	gas	900	C-E GB350	900	85

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
CHAMBERS						
Diamond M Land Drlg	170	dsl	1750	Wils Mod 90	1805	125
	171	dsl	1300	MC Unit 712	1200	145
	172	gas	1750	Nat 110M	2550	180
Goldrus Drlg	20	dsl	1850	Cbot 1200	1054	150
Kelley & Kerr Drlg	Paso Grande	dsl	1400	OIME SD5	800	120
M G F Drlg-Houston	37	dsl	500	G-D 500	700	90
M G F Drlg-Lafayette	43	dsl	1800	Olwl 96	1200	180
M N D Drlg-Southern	6	dsl	1540	G-D 500	770	105
Nicor Drlg	75	d-m	1500	Cbot 2550TRD	1200	150
Richards Drlg	3	dsl	1800	S/B N75	1200	125
Richards-Armstrong	6	dsl	2500	Olwl 880	2400	180
	7	dsl	1900	Cbot 1000	900	125
Sloan Drlg	22	dsl	1000		1000	75
South Texas Drlg	4	dsl	1000	S/B 1046	750	100
CHEROKEE						
Blocker Drlg-Alice	6	dsl	1500	Cbot HT Expl	950	100
Forex Neptune and/or Affil	47	d-e	3200	G-D 1100E	1500	180
Gibson Drlg	10	dsl	1200	C-E D2	1200	120
Grace France Drlg	2	dsl	1700	Olwl 780	1700	170
	3	el	2400	Olwl E780	2400	170
Guffey-Schlensker Drlg	3	dsl	1270	Nat 75CA	1270	140
Maxwell Herring Drlg	15	dsl	1200	S-H	400	100
Wheless Drlg	10	dsl	1800	C-E C13	1800	180
CLAY						
Burns L D Drlg	5	dsl	744	Beth S55	780	100
	6	dsl	1380	MC U36A	780	140
Lin-Mour Drlg	21	g-b	650	MC U15	650	75
COCHRAN						
Norton Drlg	5	dsl	550	Wils 75	850	105
Sitton Drlg	6	dsl	650	Wils 75P	900	100
COKE						
GCO Drlg	1	dsl	640	Nat T20	450	75
Wes-Tex Drlg	10	dsl	300	S/B N4	500	80
	16	dsl	335	S/B N4	500	80
COLEMAN						
Morrison Drlg & Prod	101	dsl	450	Nat T20	476	60
Safari Drlg	3	dsl	340	S/B N4	300	70
	6	dsl	300	C-E U34	370	60
COLLIN						
Moran Drlg, E W	6	dsl	950	Beth S55	750	110
COLORADO						
Big 6 Drlg	3	dsl	750	Cbot	600	110
Frio Drlg	2	dsl	800	Nat J45	600	100
FWA Drlg	18	dsl	1150	Wils Giant	380	75
Loffland Bros	77	dsl	1450	Nat 100	1575	150
Magee-Poole Drlg	14	dsl	1475	Cbot Explorer III	700	90/ 4"
COMAL						
Loffland Bros	331	dsl	2180	MC U1220	2400	200
COOKE						
Felderhoff Bros Drlg	1	dsl	285	Wils Mogul	185	55
	2	dsl	950	Wils Giant	650	95
	3	dsl	600	MAC 400	350	75
Jones Drlg Corp	12	dsl	1200		1200	100
Little-Deutag	T-2	dsl	1300	Idco H525D	670	80
COTTLE						
Lin-Mour Drlg	35	gas	700	Wils Giant	700	100
Moran Drlg, E W	18	dsl	860	S-H 7000	450	95
CRANE						
Britton Inds Drlg	4	dsl	1000	Nat 50CA	1000	130
Cactus Drlg Co	20					
Cactus Drlg Corp	20	dsl	800	S/B N45	800	70
Hillin Drlg	6	dsl	500	Idco H25 Trailer Rig	380	50
Johnn Drlg	4	dsl	700	MC U15	700	85
	8	gas	800	S/B N75	800	125
Kenai Drlg of Texas	32	dsl	1200	C-E GA500	800	110
Norwood, A N	1	dsl	450	Wils Super 38	350	55
Resource Drlg	RD-26	dsl	1560	Nat 80B	1835	140
Rod Ric	4	dsl	750	Idco H40	800	85
CROCKETT						
D B Drlg	14	dsl	1290	Nat 50A	850	110
Delta Drlg	2	dsl	1400	G-D 700M	784	125
	61	dsl	1800	Idco Super 711	1640	150

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
CROCKETT (Cont'd)						
Santa Fe Drlg	12	d-e	2000	C-E A1100E	1600	190
Tucker Drlg	11	dsl	525	BDW 800	1200	140
	8	dsl	550	Idco H40	550	90
Wes-Tex Drlg	15	dsl	335	S/B N4	500	80
	6	dsl	650	Beth S80	700	100
CROSBY						
Cactus Drlg Co	19					
Cactus Drlg Corp	19	dsl	800	Nat 50A	800	100
Wes-Tex Drlg	5	dsl	550	Nat 50A	700	100
DALLAS						
Eagle Prod & Drlg Serv	1	d-e	2000	Olwl 840E	2000	200
	3	d-e	2000	Olwl E2000	2000	250
	4	d-e	2000	Olwl E760	1000	160
	5	d-e	2000	Olwl E2000	2000	250
	6	d-e	2000	Olwl E2000	2000	250
	7	d-e	2000	Olwl E2000	2000	250
	9	d-e	1600	Olwl E700	1400	120
DAWSON						
Cactus Drlg Co	52	dsl	520	Idco H35	454	65
	71	dsl	520	C-E U36A	950	100
Drillers	24	dsl	900	S/B N55	900	110
FWA Drlg	1	dsl	1300	Wils Giant	900	110
GCO Drlg	3	dsl	820	BDW 650M	650	100
	7	dsl	1750	Nat 75CA	1500	130
Landis Drlg	4	dsl	800	S/B N45	700	100
M G F Drlg-Midland	11	dsl	900	Beth M58	900	125
Robinson Drlg of Texas	6	dsl	950	Beth M58	1350	125
Tri-Service Drlg	8	g-b	750	Olwl 76	750	130
DE WITT						
B D K Drlg	4	dsl	1095	S/B N7	870	115
Buzzini Drlg	11	d-e	3400	Olwl E3000	3000	300
	8	dsl	3600	Olwl M2000	2400	200
Howell Drlg	2	dsl	1550	Cbot 1200	1130	150
Rio Grande Drlg	9	dsl	1300	Nat 110M	2400	200
DEWEY						
Quarles Drlg	4	gas	1400	C-E GB 500	500	120
DICKENS						
Texzona Drlg	1	dsl	475	MC U34B	450	65
DIMMIT						
Cactus Drlg Co	55	dsl	520	Idco H35	670	65
Dixon Drlg	10	dsl	900	S/B N46	950	160
	12	dsl	900	S/B N4	450	70
DUVAL						
Cinco Drlg	6	dsl	1015	MC U15	780	110
Delta Drlg	88	d-e	2600	C-E C1 Type II	3456	180
Diamond M Land Drlg	173	d-e	2700	MC 914EU	3000	160
Dixilyn-Field Drlg	14	dsl	2200	Olwl 840E	2000	200
	23	dsl	2800	Olwl 860	2331	180
	24	dsl	2500	Olwl 860	2331	180
Harkins & Co	1	dsl	1800	C-E C Type III	1800	180/5"
	2	dsl	1500	S/B N95	1500	140
	4	dsl	1260	S/B N75A	1260	125
	9	dsl	2100	C-E A1100	2100	160/5"
Magee-Poole Drlg	5	dsl	1500	Cbot 900	950	110/4"
Pearl Expl	1	dsl	600	Wils 65	500	70
	2	dsl	600	Wils 65	600	85
PRC Drlg	1	dsl	800	S/B H4610A38	500	80
Richards Drlg	9	d-e	3400	Olwl E3000	3000	300
EASTLAND						
Bandera Drlg	1	dsl	750	MAC 300	475	75
Brunner Drlg	2	dsl		S/B N4	375	60
	4	dsl		Idco H38D	350	50
	7	dsl		Wich	350	50
Wes-Mor Drlg	11	dsl		Wils Roadair		60
ECTOR						
Cactus Drlg Co	59	dsl	520	S/B N4	454	60
	63	dsl	520	S/B N4	454	60
	65	dsl	520	S/B N4	454	60
D & R Drlg	1	st	1800	Nat 3410FE	1700	140
	2	st	2000	C-E EFP	1700	200
Delta Drlg	70	dsl	300	S-H 6000	380	70
Drilltech Inc	1	dsl	1000	G-D 500M	850	100
	2	dsl	1000	G-D 500M	850	100
Kenai Drlg of New Mexico	10	dsl	385	C-E GA250T	425	65
Kenai Drlg of Texas	11	dsl	400	Nat T20	400	65
	15	dsl	800	C-E GB500	800	110
	16	dsl	700	C-E GA500	780	110
	17	dsl	800	S/B N4	580	70
	19	dsl	825	C-E GA500	800	110
	20	dsl	500	C-E GB250T	400	65
	25	dsl	700	C-E GB500	800	110
ECTOR (Cont'd)						
Ladrido Drlg	1	dsl	1600	MC U15	1050	135
Loffland Bros	208	dsl	1560	Nat 110	1800	170
M G F Drlg-Midland	9	dsl	850	C-E GC500	850	140
Moran Bros	72	d-s	1300	Nat 110UE	1500	200
Norwood, A N	2	dsl	700	S/B N4	450	60
	3	gas	1000	S/B N4	450	60
	4	dsl	600	Nat T20	450	60
Price & Co, J A	3	dsl	1000	G-D Model 3000	370	50
Rod Ric	10	dsl	670	C-E G500	600	85
	7	dsl	900	W-M Hellhoist	900	100
	9	dsl	750	Idco H35	600	80
Sharp Drlg	370	d-e	1488	MC U712EC	1995	180
Trafalgar Drlg	1	dsl	680	Nat T20	486	75
Verna Corp	12	dsl	500	MC U15	600	115
	13	dsl	600	S/B N4	400	65
	14	dsl	500	Wils Mogul 42	550	70
	15	dsl	600	MC	600	115
	16	dsl	600	S/B N14	450	65
	17	dsl	550	MC U15	650	115
	18	d-e	1000	Nat 1320E	2000	220
	31	dsl	1212	MC U15	800	110
	34	dsl	1000	C-E A800	1200	150
	38	dsl	1212	MC U15	800	110
	40	dsl	700	MC U15	800	110
ERATH						
Lynx Drlg	1	dsl	1000	MC U15	720	100
	3	dsl	500	Idco H30	360	70
Min-Tex Drlg	34	dsl	400	Hyster B	500	75
FAYETTE						
Atco Drlg Southern	18	d-e	2000	Nat 80UE	1000	150
	55	dsl	2000	Nat 80UE	1000	150
Cinco Drlg	9	dsl	1700	Beth 650	1100	160
Louise Drlg	1	dsl	2684	Idco H40	1006	110
Pozos Intl Drlg Serv	1080	dsl	1500	Idco BIR6005	940	110
	80	dsl	1890	S/B N46	940	125
	981	dsl	1890	S/B N46	940	125
Rio Colorado Drlg	139	dsl	1200	Nat T45	900	100
Sterling Drlg (TX)	1	dsl	900	Nat 50A	900	120
	12	dsl	1500	Nat 610	1100	130
	15	dsl	1400	S/B N75	1100	140
	16	dsl	1250	Nat 610	1100	130
	19	dsl	1110	S/B N46	770	110
	7	dsl	850	Nat 50A	900	120
Williams Drlg of South TX	4	dsl	800	Idco BIR6085	950	115/4"
FISHER						
Bandera Drlg	11	dsl	925	BDW 450T	540	90
D B Drlg	21	dsl	410	S/B N4	420	75
Sojourner Drlg	2	dsl		MC U15	550	70
Wes-Tex Drlg	17	dsl	335	MC U34	500	80
FOARD						
Theiss Drlg	2	dsl	900	C-E U15	900	100
FORT BEND						
Bawden Drlg, Peter (TX)	26	mch	1550	Olwl 76	700	130
	3	d-e	2100	Nat 110E	1500	160
	5	mch	2000	Nat 110M	1500	[illegible]
Kelley & Kerr Drlg	KK-2	d-e	2000	OIME SD7	1500	180
Padre Drlg	7	dsl	700	S/B H14610	750	100
Rosamond Drlg	8	dsl	2325	Nat 130	2475	250
Spartan Drlg	12	d-e	600	Sup 700UE	750	100
	14	mch	500	Sup 300PSD	500	65
	6	d-e	600	Sup 700UE	750	100
FRANKLIN						
United Drlg Div	2	dsl	1200	Beth M58	800	130
FREESTONE						
Butler-Johnson	14	d-e	2000	G-D 1100E	2000	200
Delta Drlg	90	d-e	2000	C-E D3 Type II	2592	160
FWA Drlg	20	dsl	1700	Wils Super Atlas	1040	140
Grace France Drlg	8	dsl	2400	Olwl 760E	2400	170
Hinton Drlg, W B	11	d-e	2800	Nat 1320UE	3000	250
	5	dsl	900	S-H 7000	450	100
	7	dsl	1800	Nat 80B	1650	150
Justiss Oil	30	dsl	1000	Beth 1013	1400	170
M N D Drlg-Southern	5	dsl	1536	S/B N95	1536	180
Rio Grande Drlg	8	dsl	550	Nat 370	770	100
Schlensker Drlg	20	dsl	1270	Nat 75CA	1270	140
Thunderbolt Drlg	53	dsl	1400	Wils 75	950	110
Verna Corp	28	dsl	1000	MC U15	600	100
FRIO						
Cactus Drlg Co	82	dsl	520	Idco H35	454	65
Sundown Drlg	8	dsl	800	S/B N42	550	110
GAINES						
Cactus Drlg Co	54	dsl	520	Beth S55	454	65
Cherokee Drlg & Dev	5	dsl	900	BDW 450	531	70
	6	dsl		BDW 450	670	70
Henley Drlg	219	dsl	1650	S/B N46	950	120
	8	dsl	2580	C-E D3	1720	140
Hondo Drlg	6	dsl	1000	MC U15	700	100
	7	gas	1000	S/B N55	750	120
	9	dsl	900	S/B N45	700	100
M G F Drlg-Midland	1	dsl	750	Beth M58	750	125
Rod Ric	3	dsl	670	S/B N45M	820	90
Sharp Drlg	62	dsl	1132	C-E D3	1272	140
Verna Corp	26	dsl	500	Idco H40	750	80
GALVESTON						
Goldrus Drlg	15	dsl	1740	Beth M810	1560	160
GARZA						
Douglas Drlg	2	dsl	900	BDW 650M	900	125
GCO Drlg	8	dsl	1000	Nat 370	650	95
Wes-Tex Drlg	4	dsl	650	C-E G500	650	10
GLASSCOCK						
Hondo Drlg	2	dsl	1050	S/B N55	700	100
Robinson Drlg of Texas	4	dsl	750	Nat 50A	900	125
Sharp Drlg	43	dsl	790	Beth M58	988	135
Wes-Tex Drlg	11	dsl	450	Beth S55	700	100
Willbros Drlg	5	gas	1100	Beth 450	1100	130
GOLIAD						
Corpus Christi Drlg	4	dsl	300	Wils Super 38	250	54
	5	dsl	300	Wils Super 38	250	60
Frio Drlg	5	d-e	1000	Idco ED1200	1200	160
GONZALES						
Bearden Drlg, Jack E	2	dsl	1500	Wils 75	900	90
Challenger Drlg	36	dsl	650	Nat G45	700	95
Cinco Drlg	2	dsl	890	Nat T32	850	80
	4	dsl	1005	S/B N45	780	85
Ladrido Drlg	2	dsl	1000	MC U15	1050	120
Williams Drlg of South TX	1	dsl	585	Cbot 750	750	95/4"
GRAY						
Hudson Drlg, Leonard	2	dsl	900	MC U15	900	115
	4	dsl	900	MC U15	900	115
	5	dsl	900	S/B N7	900	115
	7	dsl	900	Unit U15	900	115
Service Drlg (TX)	1	dsl	300	MC U34	300	45
Stahlco Drlg	1	dsl	510		475	50
GRAYSON						
Grace France Drlg	1	dsl	1600	G-D 700	900	130
Guffey-Schlensker Drlg	1	dsl	700	Unit U36A	933	110
Moran Drlg, E W	17	dsl	2000	Wils 250	2000	220
	3	dsl	1300	G-D	800	140
Schlensker Drlg	1	gas	700	Nat 75CA	1050	140
	4	gas	700	MC U15	800	100
Viersen & Cochran Drlg	19	dsl	800	Nat 610	830	120
GREGG						
Delta Drlg	69	dsl		S-H 7000	480	90
Justiss Oil	14	dsl	800	C-E GB500	900	110
	26	dsl	940	C-E GB500	940	120
	31	g-b	500	Wils Giant Roadair	650	100
	32	g-b	700	Beth 450	900	120
	34	g-b	700	Beth M58	1000	120
Nowotny & Conley Drlg	3	dsl	1800	S/B N46	900	130
GRIMES						
Bailey Drlg, Pernie	22	dsl	1500	OIME SL5	900	130
Big 6 Drlg	8	d-e	1600	Nat 610	900	120
Merit Drlg	10	d-s		Olwl 760E	1000	150
GUADALUPE						
Nixon Drlg	2	dsl	300	Crdw	300	40
	3	dsl	300	Crdw	300	40
HALE						
Chico Drlg	3	dsl	1300	C-E D2	1240	140
HANSFORD						
Baker & Taylor Drlg	10	dsl	870	MC U15	870	110
	14	dsl	1140	MC U40	1140	160
	18	dsl	700	C-E GB250T	485	60
Drillers	23	dsl	600	MC U15	600	100
Sage Drlg	3	dsl	400	Idco H40	400	85

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
HARDEMAN						
Bearden Drlg, Jack E	8	dsl	1200	Wils 75	900	95
Crawford Drlg	10	dsl	800	C-E GB800	800	140
	11	dsl	800	Nat 50A	800	110
	2	dsl	800	MC U15	800	100
	3	dsl	350	Wils Giant	350	65
	4	dsl	800	MC U15	800	100
	5	dsl	800	MC U15	800	100
	6		800	MC	800	100
	7	dsl	800	MC U15	800	100
	8	dsl	350	Olwl 64B	350	95
	9	dsl	350	Wils Roadaire	350	70
Lee Drlg	3	dsl	1100	BDW 450T	700	90
Lin-Mour Drlg	33	gas	550	Wils Giant	550	95
Moran Drlg, E W	19	dsl	1200	Wils 75	900	110
	23	dsl	1400	Wils 75	900	110
Schlensker Drlg	2	gas	700	Beth MC450	900	120
HARDIN						
Frio Drlg	1	dsl	800	C-E 350	550	95
Goldrus Drlg	18	dsl	1700	1000 Cbot	872	140
M G F Drlg-Houston	32	dsl	750	Nat 610	800	120
Pozos Intl Drlg Serv	81	dsl	1890	S/B N46	940	125
Stone Drlg, M L	2	gas	300	Wils Jr	100	20
	6	g-b	100	Coop-Small	100	
	8	dsl	350	Wils Super	200	30
HARRIS						
Big 6 Drlg	6	dsl	800	Cbot	950	120
Blocker Drlg-Houston	45					200
	46					200
Drillers	11	d-h	1500	Automatic H2000	2000	120
	15	dsl	1000	Olwl 66	800	120
	5	dsl	900	MC U15M	1200	110
Haning & Young Drlg	201	d-e	2600	S/B NE95	1700	190
	202	d-e	2600	S/B NE95	1700	190
M N D Drlg-Southern	7	dsl	1540	BDW 800	770	100
Parker Drlg	129-HH/17	dsl	1500	OIME TBA2000	1700	200
	133-HH/21	dsl	1500	OIME TBA2000	1700	200
Rio Colorado Drlg	138	dsl	1750	Idco H1000	1000	110
	141	dsl	1200	Nat T45	900	100
Southland Drlg	4	dsl	850	S/B N7	900	100
HARRISON						
Dixon Drlg	7	dsl	1700	S/B N46	950	125
Exeter Drlg Southern	45	dsl	2000	G-D 700	1000	125
Gibson Drlg	3	dsl	820	Wils Mogul 42	666	65
Justiss Oil	15	dsl	450	Beth 45E	300	65
	21	dsl	800	C-E GB500	1000	120
	33	dsl	1000	Olwl 96	1400	170
Lohmann Drlg	17	gas	800	MC U15 SN356	600	100
Maxwell Herring Drlg	21					
United Drlg Div	8	dsl	1600	Beth M58	1200	130
HASKELL						
Bandera Drlg	10	dsl	775	MAC 300	475	75
Hack Drlg	3	dsl	350	Beth S45E	350	70
Sojourner Drlg	5	dsl	250	MC U15	550	70
	6	dsl		MC U15	550	70
Wes-Mor Drlg	1	dsl		MC U15		80
	12	dsl	2500	MC U15	2500	90
Wes-Tex Drlg	14	dsl	335	S/B N4	500	80
	19	dsl	600	S/B N4	600	80
HEMPHILL						
Baker & Taylor Drlg	11	dsl	1140	C-E GCA500	1140	120
	19	dsl	870	MC U15	870	110
	4	dsl	1140	MC U20	1140	180
	5	dsl	1400	MC U20	1400	220
	8	dsl	870	MC U15	870	110
Bonray Drlg	5	gas	700	Nat 50A	700	90
Bravo Drlg	3	dsl	870	BDW 800	870	140
Helmerich & Payne Intl Drlg	85	d-s	1700	Olwl 760E	750	160
Hickman Drlg	2	dsl	1150	BDW 650	800	120
Hudson Drlg, Leonard	6	dsl	550	S/B N7	900	120
King Drlg	1	dsl	1177	Crdw 700	800	120
	9	dsl	1177	Crdw 700	800	125
Moran Bros	68	d-s	3200	C-E C2 Type II	2000	250
Moran Drlg, E W	13	dsl	1400	G-D 700	800	130
Quarles Drlg	3	dsl	2000	OIME 1000	1000	180
Robinson Bros Drlg	1	dsl	1750	S/B N75	1500	120
Service Drlg (TX)	4	dsl	500	MC U15	800	92
Unit Drlg & Expl	15	dsl	1300	MCSCO 914C	1850	250
HENDERSON						
B-E Drlg	1	dsl	900	C-E A500	900	100
Challenger Drlg	29	dsl	720	Nat T45	860	95
Delta Drlg	22	dsl	1800	C-E D3 Type III	1580	140
	44	dsl	2000	S/B N95	1560	160
HIDALGO						
Alenco Drlg	1	dsl	800	Idco H40	500	85
Atco Drlg Southern	11	dsl	1300	Nat 55	550	120
Delta Drlg	94	d-s	2000	C-E D3 Type II	2592	180
Dixilyn-Field Drlg	12	dsl	2600	Nat 110M	2331	180
	18	dsl	2245	MC U914C		200
	9	dsl	2650	Nat 130	2331	250
Magee-Poole Drlg	1	dsl	1500	Cbot 900	950	110/4"
	15	dsl	1475	Cbot Expl III	700	90/4"
Resource Drlg	16	dsl	1580	Nat 80B	1835	140
	3	dsl	3105	Nat 1320	3740	250
Willis Drlg	2	dsl	1000	Beth B-Line MC450	1000	120
	3	dsl	1000	S/B N75	1000	120
	6	dsl	3000	Idco	3000	250
HOCKLEY						
Chico Drlg	1	dsl	1100	BDW 650M	878	125
Norton Drlg	1	dsl	450	Wils 65P	850	100
	4	dsl	550	Wils 75	850	105
	8	dsl	550	Wils 75	900	140
Rod Ric	8	dsl	670	S/B N45	600	80
Sitton Drlg	1	dsl	450	Wils 600	525	65
	4	dsl	650	Wils 75P	900	100
	5	dsl	450	Wils 75P	900	115
Verna Corp	3	dsl	500	S/B N45	500	65
	33	dsl	550	MC U15	800	90
	36	dsl	550	MC U15	550	110
	39	dsl	600	MC U15	550	110
	4	dsl	500	S/B N4	500	65
	5	dsl	500	Wils Mogul	500	65
	6	dsl	550	S/B N55	800	120
	7	dsl	700	MC U15 Type	800	110
	8	dsl	500	Idco H40	500	65
	9	dsl	600	Idco H40	500	65
Wes-Tex Drlg	22					
HOPKINS						
FWA Drlg	26	dsl	2000	G-D 800M	1560	140
Justiss Oil	10	dsl	500	S/B N45	800	100
Lester Drlg, Dan	8	dsl	1850	Olwl 760	1500	160
HOUSTON						
Atco Drlg Southern	59	d-e	2600	C-E 11C	2000	180
Bawden Drlg, Peter (TX)	15	d-e	1600	Nat 610E	750	120
Helmerich & Payne Intl Drlg	87	d-e	800	Nat 1625ME	3000	300
Loffland Bros	118	d-e	3300	MC U1220EBD	3300	250
Noble Drlg	N-59	dsl	800	Nat 55	800	120
Nowotny & Conley Drlg	5	d-e	3200	C-E C3 Type II	3000	300
Schlensker Drlg	5	dsl	950	MC U15	950	100
Westburne Drlg Canada	55	d-e	3310	Nat 1320UE	3310	220
	72	dsl	870	Nat T32	360	75
HOWARD						
BJM Drlg & Expl	5	dsl	120	MC U15	1000	120
Corky Drlg	1	dsl	325	Crdw 350	350	60
Fiscus Drlg	1	dsl	350	Wils Super 385	200	32/4"
Moran Bros	54	dsl	970	Nat T20	300	60
Riley Drlg	4	dsl	300	Cbot	300	45
Safari Drlg	4	dsl	310	Nat T20	270	60
Sloan Drlg	24	dsl	600	Nat 50A	800	100
T O T Drlg	1	dsl	1155	OIME SL5	1155	150
TMBR Drlg	4	dsl	840	Nat 50CA	600	105
Willbros Drlg	3	dsl	800	MC U15	800	110
HUTCHINSON						
Diatom Drlg	1	dsl	456	I-R 550	574	75
	2	dsl	630	I-R 600	650	100
IRION						
FWA Drlg	12	dsl	915	Wils Giant	900	100
	14	dsl	900	Wils Mogul 42	600	75
JACK						
Bearden Drlg, Jack E	9	dsl	1200	Wils Mogul Super 42	900	90
Bennett Prod Corp	2	dsl	900	MC U15	900	130
E & H Drlg	1	dsl	700	MC U15	700	75
	5	g-l	550	Wils Giant	550	75
Megargel Drlg	4	dsl	350	Beth S45B	275	53
Oilwell Drlg	2	dsl	476	Beth 550	476	70
JACK (Cont'd)						
Originala Drlg	1	dsl	400	Wils Super 38	400	60
	2	dsl	400	Wils Giant	400	70
	3	dsl	400	Nat 50A	400	85
Simmons Drlg	46	dsl	350	Troy M600	350	75
JACKSON						
Nicklos Drlg	76	d-e	2600	Nat 1320UE	1600	250
JASPER						
Henley Drlg	1	dsl	1725	OIME SL1000	1725	140
Resource Drlg	17	dsl	1580	Nat 80B	1835	140
Richards Drlg	11	dsl	2500	Olwl 860	2400	180
JEFFERSON						
Bawden Drlg, Peter (TX)	4	d-s	2000	Nat 80UE	1000	140
Big Chief Drlg	11	dsl	1350	S/B N75	1350	130
	22	gas	1600	Nat 80B	1600	140
	25	dsl	3000	Nat 110	2000	200
	35	gas	2610	Nat 110	2610	200
	44	dsl	2400	S/B N95	2400	200
Delta Drlg	20	d-s	2600	C-E C2 Type II	3456	200
	31	dsl	2300	C-E C1 Type III	2592	200
Drillers	51	d-h	400	Shaf CSD820	400	10/8.63"
Goldrus Drlg	19	dsl	1110	Cbot 750	560	100
	21	dsl	1200	Cbot 1000	872	135
	23	dsl	870	Cbot 900	680	120
Loffland Bros	110	dsl	2160	S/B N12	2400	200
Power Rig Drlg	16	d-s	2600	C-E C1 Type II	3084	180
United Drlg Div	6	dsl	1200	Beth M58	800	130
JIM HOGG						
Challenger Drlg	46	dsl	900	Idco 750	900	100
Cinco Drlg	14	d-e	2400	OIME SD5	1500	140
Eagle Prod & Drlg Serv	2	d-e	2000	Olwl E2000	2000	250
Magee-Poole Drlg	2	dsl	1500	OIME 750SL	1155	140
JIM WELLS						
Blocker Drlg-Alice	14	dsl	2500	Nat 110	2730	200
	15	dsl	1265	Cbot 900	950	100
	16	dsl	1080	Cbot Expl III	950	120
	17	dsl	825	S-H	530	70
	2	dsl	1130	Cbot 750	650	95
	3	dsl	1820	Cbot Expl III	950	120
	4	dsl	1800	Nat 55	1500	120
	8	dsl	1820	Cbot Expl III	1400	140
	9	dsl	1115	Idco H1000	950	100
Dixilyn-Field Drlg	10	dsl	1295	Nat 55	1040	120
	19	dsl	1925	Nat 130	2331	200
	2	dsl	1300	Nat 610	1040	120
	4	dsl	2600	Nat 1625M	3105	300
	8	dsl	1950	Nat 110	1638	160
Murlynson Drlg	10	dsl	1000	MC U15	600	100
Murphy Drlg, Pete	1	dsl	800	Crdw C Horse	300	60
JONES						
Dixon Drlg	11	dsl	700	Nat T20	450	75
	9	dsl	700	S-H 5000 Port	450	60
Hack Drlg	1	dsl	350	S/B N4	350	70
	4	dsl	225	Nat T8	250	40
KARNES						
Atco Drlg Southern	52	dsl	1500	MC U40	900	120
B D K Drlg	9	dsl	1480	S/B N75	1000	120
Cinco Drlg	1	dsl	900	MC U15	780	110
Delta Drlg	87	d-s	2000	C-E D3 Type II	2592	160
Harkins & Co	12	dsl	1050	Cbot 750	650	95/4"
KENEDY						
Magee-Poole Drlg	10	dsl	1500	Cbot 900	950	110/4"
Rio Grande Drlg	7	dsl	750	OIME SL5	1500	120
KENT						
Lee Drlg	1	dsl	1100	BDW 450T	500	90
Norton Drlg	11	dsl	550	Wils 75	900	120
Safari Drlg	2	dsl	370	Crdw L350	370	70
Verna Corp	10	dsl	700	MC U38A	1200	120
KING						
Lin-Mour Drlg	3	gas	250	MC U34	180	50
	8	gas	400	C-E G42	400	65
Wes-Mor Drlg	5	g-b	465	MC U15	290	75
KLEBERG						
Dixilyn-Field Drlg	25	dsl	1600	Nat 80UE		150
PRC Drlg	9	dsl	1140	RMI 4610	1140	160
KNOX						
Bearden Drlg, Jack E	1	dsl	1200	Wils Mogul Super 42	750	90
Megargel Drlg	6	dsl	350	Beth S45B	275	60
Wes-Tex Drlg	21	dsl	350	MC U34	450	70

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
LA SALLE						
Delta Drlg	63	d-e	2600	C-E C1 Type II	2592	160
Harkins & Co	14	dsl	1150	Cbot 900	900	110/4"
PRC Drlg	4	dsl	758	Cbot 900	900	100
San Patricio Corp	6	dsl	1500	Shaf 800	900	130
Williams Drlg of South TX	2	dsl	1280	Cbot 900	900	105/4"
LAVACA						
Delta Drlg	81	dsl	1300	S-H 7000	480	90
Frio Drlg	3	dsl	900	S/B N55	900	105
FWA Drlg	16	dsl	1350	Wils Mogul 42	730	90
	25	dsl	2000	Wils 120	1560	160
Harkins & Co	3	dsl	1260	S/B N75A	1260	125
M N D Drlg-Southern	11	d-e	1820	S/B N95	1820	200
	14	d-e	1820	MC U712	1200	160
PRC Drlg	10	dsl	1075	Coop LTO700	550	95
Resource Drlg	14	dsl	2330	Nat 110	2740	180
Spartan Drlg	17E	d-s	1000	Oiwl 760E	1000	160
LEE						
Hondo Drlg	8	dsl	1100	S/B N45	700	120
Houtech Drlg	802	dsl	1600	G-D 700M	1200	150
M G F Drlg-Houston	6	dsl	600	Nat T32	500	90
	7	dsl	700	S/B N55	800	110
	8	dsl	600	MC U15	550	105
M G F Drlg-Midland	6	dsl	750	Nat T32	750	90
	7	dsl	850	S/B N55	850	120
	8	dsl	800	MC Rig U15	800	100
Padre Drlg	9	dsl	1300	S/B 4610	450	85
Spartan Drlg	18UE	d-s	600	Sup 700UE	700	120
Sterling Drlg (TX)	10	dsl	1400	S/B N75	1100	130
LEON						
Cape Drlg	2	dsl	1000	S/B TR7W	600	85
	5	dsl	400	W-N Apache 95040	425	60
Culver Drlg	6	d-e	2000	G-D 2100	2000	300/5"
Delta Drlg	40	dsl	1500	C-E D2 Type III	784	110
Dual Drlg	7	dsl	3400	Nat 1320M	2000	250
FWA Drlg	28	dsl	2700	G-D 1100M	1560	180
Justiss Oil	36	dsl	1000	1013	1200	160
Tesoro Drlg	4	dsl	2600	Nat 1320M	2742	250
LIBERTY						
Bailey Drlg, Pernie	21	dsl	500	C-E J750	800	110
Big 6 Drlg	7	dsl	800	Idco	600	100
Richards Drlg	8	dsl	2500	Oiwl 860	2400	180
LIMESTONE						
Atco Drlg Southern	53	dsl	1600	Nat 610UE	800	120
Delta Drlg	5	dsl	2000	Nat 100	1560	160
M N D Drlg-Southern	2	dsl	1794	S/B N75	1024	140
	4	dsl	1540	G-D 1100	1540	180
Rosamond Drlg	5	dsl	1450	Beth MC450	1275	135
LIPSCOMB						
Hudson Drlg, Leonard	3	dsl	900	MC U15	900	115
H30 Drlg	8	dsl	600	Idco H40	600	100
Moran Drlg, E W	26	dsl	1000	CEI 75D	750	110
ONEOK Drlg	2	d-e	1410	MC 36	1000	140
Service Drlg (TX)	13	dsl	400	MC U1500	800	120
Slawson Drlg	7	dsl	480	Idco H35	480	75
Unit Drlg & Expl	1	dsl	500	MC U15	800	110
LIVE OAK						
Bawden Drlg, Peter (TX)	30	d-m	1850	C-E D3 Type III	1000	150
Buzzini Drlg	9	dsl	3600	Oiwl M2000	2400	200
FWA Drlg	24	dsl	1350	Wils Mogul 42	720	110
Harkins & Co	10	dsl	1620	C-E B1013	1620	180
	11	dsl	1260	S/B N75	1260	125
Kelley & Kerr Drlg	KK-3	d-e	2000	OIME SD7	1500	180
Loffland Bros	88	d-e	2160	MC U712	2400	180
Magee-Poole Drlg	6	dsl	2000	OIME SL7	1300	168
	9	dsl	2350	Cbot	1500	160
Nicor Drlg	51	d-m	1600	Idco H900M	1000	150
Penrod Drlg	16	dsl	3075	S/B N12A	1840	200
South Texas Drlg	7	dsl	910	Idco H1200	1200	150
LOVING						
Cactus Drlg Co	2					
	30					
	64	dsl	520	S/B N45	670	75
Cactus Drlg Corp	2	dsl	2550	C-E A1500	2550	230
	30	dsl	1650	Nat 110	1650	230
Loffland Bros	117	d-e	3300	MC U1220EBD	3300	250
	37	d-e	2160	MC U914B	2400	200
Parker Drlg	184	g-s	3000	OIME G3000	3000	300
	198	gas	1600	OIME 1500	1600	220
	39	gas	1600	OIME Hercules 2500M	1600	230
LOVING (Cont'd)						
Rod Ric	6	dsl	450	Beth S45E	450	70
Rowan Drlg US	8	dsl	2600	MC U1220S	2400	250
Santa Fe Drlg	6	d-e	2600	C-E C111	2700	300
Sharp Drlg	43	dsl	2331	Oiwl M2000	2742	300
	55	dsl	2321	G-D 2100	2742	300
	66	d-e	2331	MC U1220EB	2742	300
LUBBOCK						
D B Drlg	1	dsl	720	S/B N4	540	75
	23	dsl	390	Beth S45E	700	90
	3	dsl	675	S/B N4	480	70
Norton Drlg	3	dsl	475	Wils 75	850	105
Sitton Drlg	8	dsl	650	Wils 75P	900	100
McMULLEN						
Cinco Drlg	12	d-e	3000	Nat 1320UE	2400	240
Magee-Poole Drlg	8	dsl	1500	Cbot 900	950	110/4"
Penrod Drlg	124	dsl	1600	Nat 1625M	3000	300
Resource Drlg	5	dsl	2330	Nat 110	2740	180
South Texas Drlg	6	dsl	650	S/B N46	800	100
MADISON						
Cape Drlg	6	dsl	1500	MIDWAY 750D	800	135
Gibson Drlg	5	dsl	1030	Wils 75P	700	90
Loffland Bros	322	dsl	1800	G-D 800	2100	160
M G F Drlg-Houston	38	dsl	1600	C-E C1	1200	170
Nicklos Drlg	78	dsl	1400	Nat 80B	1080	140
Penrod Drlg	125	dsl	1000	Nat 80B	1760	150
Spartan Drlg	15E	d-s	600	Sup 700E	750	120
	4	d-e	600	Sup 700UE	750	100
United Drlg Div	11	dsl	1100	Nat 370	800	100
	5	dsl	1200	S/B N75	1200	150
Verna Corp	35	dsl	1000	Idco 711SJ	1200	140
	37	dsl	1212	MC U15	550	110
MARION						
Lester Drlg, Dan	10	dsl	1800	Oiwl 860	2400	200
	9	dsl	1500	Oiwl 760	1500	160
MARTIN						
BJM Drlg & Expl	4	dsl	1200	MC U15	1000	120
FWA Drlg	17	dsl	1400	Wils Giant	900	110
Holliday Drlg	2	dsl	1200	Oiwl 76	1200	140
Moran Bros	4	d-s	1500	C-E A800E	1000	150
Tahoe Drlg	2	dsl	800	C-E D1	800	100
	3	dsl	1000	C-E D2	1200	135
TMBR Drlg	5	dsl	700	Nat 50CA	600	105
MATAGORDA						
Bailey Drlg, Pernie	23	dsl	1600	OIME SL7	1400	150
Bawden Drlg, Peter (TX)	31	d-s	2000	Nat 110UE	1500	180
Frio Drlg	4	dsl	1100	Nat N55	1100	120
Nicor Drlg	79	d-m	2000	Wils Titan	1350	140
	9	dsl	2000	OIME 1500SL	1500	180
Padre Drlg	10	dsl	1300	S/B 4610	450	85
Resource Drlg	15	dsl	1560	Nat 80B	1835	140
Richards Drlg	5	g-b	1200	S/B N75	900	125
MAVERICK						
Challenger Drlg	20	dsl	900	S/B N75	1000	120
F & N Drlg	1	dsl	525	Kremco K600	600	80
MENARD						
Banders Drlg	2	dsl	470	MC U34	360	65
MIDLAND						
Britton Inds Drlg	1	dsl	1000	Oiwl 76	800	150
BJM Drlg & Expl	6	dsl	1200	MC U15	1000	120
Cactus Drlg Co	11					
	15					
	31					
	32	dsl	1830	Nat 110	2700	200
	34					
	4					
	7					
Cactus Drlg Corp	11	dsl	570	C-E C350	570	
	15	dsl	1200	Beth 650	1200	150
	31	dsl	2550	Nat 1320	2550	250
	32	dsl	2550	Nat 1320	2550	250
	33	dsl	2550	Nat 110	2550	200
	34	dsl	1200	Nat 75	1200	115
	4	dsl	1100	Nat 55	1100	130
	7	dsl	1650	Oiwl 76	1650	140
Cherokee Drlg & Dev	7	dsl	1500	BDW 650	1050	120
FWA Drlg	2	dsl	1100	Wils Super Giant	1040	130
Hurt & Assoc, Clint	11	dsl	1200	Wils 75	900	110
	9	dsl	1300	Wils 75	900	110
Johnn Drlg	9					
Ladrido Drlg	4	dsl	1200	J750	1050	140
Lanex Drlg	C-10	d-s	1600	Unit U36	650	120
	C-11	d-s	1600	BDW 800	800	160
	C-12	d-s	1600	BDW 800	800	160
MIDLAND (Cont'd)						
M G F Drlg-Midland	10	dsl	900	Beth M58	900	120
	201	dsl	1600	Nat 1320UE	2000	300
	202	dsl	1600	Nat 1320 UE	2000	300
	203	dsl	1300	Nat 110UE	2000	200
	22	dsl	1500	Oiwl 760	1500	150
	25	dsl	1725	S/B N95	1725	190
	3	dsl	500	Nat 32	400	70
	5	dsl	500	C-E GA250	400	90
Robinson Drlg of Texas	3	dsl	750	MC U15	900	100
Sharp Drlg	47	dsl	790	Beth M58	988	135
Sterling Drlg (TX)	16	dsl	1400	S/B N75	1230	140
	17	dsl	1500	S/B N75	1230	140
	22	dsl	1520	Nat 610	1100	130
	3	dsl	800	Nat 50CA	820	100
	4	dsl	1075	Nat 50A	900	120
	9	dsl	1350	S/B N75	1100	140
Tierra Drlg	10	dsl	650	BDW 650	700	105
	11	dsl	650	BDW 650	700	120
	12	d-e	750	BDW 800MX	1000	140
	15		1000	MC U712EA	1200	160
	19	d-e	800	MC U36EA	650	120
	20	d-e	800	BDW 800	800	140
	21	d-e	800	BDW 800	800	140
	6	dsl	850	S/B N4	800	80
	9	dsl	650	MC U15	700	100
Tri-Service Drlg	6	dsl	1800	Oiwl 96	1800	160
	7	dsl	2475	Nat 110M	2475	180
Verna Corp	19	dsl	550	MC U15	800	115
	20	dsl	1000	Verna Drlg	1500	160
MITCHELL						
D B Drlg	6	dsl	1050	S/B N45	650	90
Delta Drlg	86	dsl	500	S-H 7000	480	90
Riley Drlg	2	dsl	300	Nat	300	45
	3	dsl	300	MC U34	225	40
MONTAGUE						
Bennett Prod Corp	1	dsl	900	MC U15	900	130
	3	dsl	900	MC U15	900	130
	4	dsl	900	Permian 1000	900	130
Burns L D Drlg	2	dsl	900	Wils 75	780	105
Lin-Mour Drlg	6	dsl	700	Wils Giant	700	90
Maxwell Drlg	1	dsl		Nat U15		100
	5	dsl		Beth M650		120
Min-Tex Drlg	31	dsl	500	Hyster A	550	100
Schlensker Drlg	8	dsl	635	Wils Mogul 42	475	70
MONTGOMERY						
Cliffs Drlg	33	dsl	2000	Nat 80B	1650	145
M N D Drlg-Southern	12	d-e	1820	MC U712	1200	180
	15	d-e	2000	MC U712	1200	180
	3	dsl	1794	S/B N75	1024	125
	9	dsl	1540	G-D 500	770	105
Pozos Intl Drlg Serv	581	dsl	3000	S/B N12A	2650	250
Resource Drlg	RD-20	dsl	1040	Nat 610	1220	120
	19-RD	dsl	1040	Nat 610	1220	120
Southland Drlg	6	dsl	600	HT 1887600TD	600	85
	7	dsl	850	S/B N55	600	100
MOORE						
Service Drlg (TX)	7	dsl	300	Beth S45	300	55
NACOGDOCHES						
Gibson Drlg	12	dsl	900	C-E D2	900	120
Murco Drlg	38	d-s	1700	Oiwl 660E	700	120
	6	dsl	2200	S/B N95	1000	140
Noble Drlg	OW-77	dsl	800	Oiwl 760	800	140
Rotary Drlg	10	dsl	850	S-H 7000	700	106
	9	dsl	800	C-E	700	105
Schlensker Drlg	6	dsl	950	MC U15	950	100
	9	dsl	1500	OIME 1500SL	2205	180
Thunderbolt Drlg	50	dsl	1750	Cbot 1200	1300	135
Verna Corp	32	dsl	1212	Verna U15	500	110
NAVARRO						
Schlensker Drlg	3	dsl	700	Oiwl 760	1500	140
NEWTON						
Explorer Drlg	8	dsl	1836	Idco H1700	2000	150
NOLAN						
Dixon Drlg	6	dsl	900	S/B N42	650	80
Sojourner Drlg	1	dsl		MC U15	550	70
	3	dsl		MC U15	550	70
Wes-Tex Drlg	12	dsl	335	S/B N4	500	80
	7	dsl	335	S/B N4	450	80
NUECES						
CRC Mallard Well	16	dsl	1300	Wils 90	800	140
Delta Drlg	89	d-s	2000	C-E D3 Type II	2592	160
J 3 Drlg	1	dsl	1375	MC U36A	950	140
	2	dsl	1650	MC U36A	950	140
	3	dsl	1100	MC U34B	750	85
	4	dsl	1100	MC U34B	750	85
	5	dsl	2470	MC U914	2470	200

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
NUECES (Cont'd)						
Padre Drlg	3	dsl	700	RMI	800	100
Penrick Drlg	101	d-e	2000	Nat L130	2000	200
	102	d-e	3200	MC U1220	2000	300
	103	d-e	2200	S/B NE46	900	140
	104	d-e	2200	S/B DH14610A	900	120
	105	dsl	1300	CABOT 550	800	80
	106	d-e	3200	Beth 1013	2000	160
PRC Drlg	2	dsl	880	MC U34	460	75/ 4"
	5	dsl	1198	G-D 700M	800	130
	8	dsl	770	S/B N95A	777	200
San Patricio Corp	7	dsl	1000	S/B RR600	400	80
OCHILTREE						
Baker & Taylor Drlg	12	dsl	870	MC U15	870	110
Bravo Drlg	2	dsl	870	BDW 800	870	140
Dual Drlg	36	dsl	2000	Olwl 760	1000	160
Hudson Drlg, Leonard	1	dsl	900	MC U15	900	115
Jones Drlg Co, Loyd	88	dsl	1200	Cbot 750	750	100
Mercury Drlg	11	dsl	750	C-E U15	900	90
	4	dsl	750	MC U15	980	120
Rine Drlg	4	gas	750	S/B N75	750	120
Robinson Bros Drlg	17	dsl	600	G-D 500	650	90
Unit Drlg & Expl	3	dsl	700	Nat 50A	800	110
	4	dsl	500	MC U15	800	110
OLDHAM						
Baker & Taylor Drlg	1	dsl	870	MC U15	870	100
	7	dsl	870	MC U15	870	110
	9	dsl	870	MC U15	870	110
ORANGE						
Southland Drlg	1	dsl	700	C-E GB500	700	100
	2	dsl	1300	S/B 75A	1150	120
	3	dsl	1300	S/B N75	750	110
PALO PINTO						
Carter Dev	2	dsl	300	Wils Mogul	300	60
Lowe Drlg	2	dsl	475	MC U34	475	60
PANOLA						
Exeter Drlg Southern	57	dsl	1500	C-E D3	1500	160
Murco Drlg	34	dsl	2200	Olwl N760	1350	150
Wheless Drlg	2	dsl	1200	C-E D2	1200	110
PARKER						
J & W Drlg	1	g-d	180	Harris 5000	340	50
Min-Tex Drlg	26	dsl	700	Crdw L	350	40
PECOS						
Cactus Drlg Corp	1	dsl	1650	Nat 110	1650	200
Cherokee Drlg & Dev	3	dsl	1150	Wils 75	900	110
	4	gas	1150	Wils 75	900	110
Delta Drlg	100	d-e	2000	C-E D3	1560	160
	36	dsl	2600	C-E C2 Type III	2331	230
Hillin Drlg	2	dsl	800	C-E G500	800	110
	5	dsl	1200	Nat H1200	1200	150
Kenai Drlg of Texas	13	dsl	800	C-E GA250T	400	65
Loffland Bros	112	d-e	3300	MC U1220EB	2200	250
Parker Drlg	121	d-e	2700	Idco E3000	3000	300
	16	gas	1000	Olwl 76	1000	160
	74	gas	1400	Nat 100M	1400	225
	87	gas	1800	Idco E2000	1800	250
	89	gas	1800	Nat 1320	1800	230
Penrod Drlg	111	dsl	1950	Nat 1625M	3000	300
	114	dsl	1800	Nat 1625M	3000	300
	121	dsl	1600	Nat	3000	300
Resource Drlg	2	dsl	1560	Nat 80B	1835	140
Rowan Drlg US	12	dsl	2000	Nat 1320M	2100	180
Santa Fe Drlg	14	dsl	3200	C-E C3E	2000	300
	16	dsl	2000	C-E C2	2000	250
	2	gas	1850	Beth B1013	2118	210
	3	d-e	2600	C-E A1500E	2700	300
	4	d-e	2600	C-E C111E	2700	300
	8	d-e	2600	C-E A1500E	2700	300
Sharp Drlg	34	dsl	2331	Beth 1013	2742	300
	60	d-e	3108	C-E C3 Type II	3658	300
	64	dsl	1580	Olwl 780	1836	180
	73	d-e	4250	C-E C3	4640	300
T O T Drlg	3	dsl	1155	OIME SL5	1155	150
Tahoe Drlg	4	dsl	950	G-D 500M	950	120
Tri-Service Drlg	2	dsl	1400	Olwl 66	900	100
	5	g-b	1600	Olwl 700	1400	160
TMBR Drlg	18	dsl	500	MC U15CA	840	100
Wes-Tex Drlg	2	dsl	650	Beth S45E	650	100
Willbros Drlg	6	dsl	800	C-E G500	800	120
POLK						
Delta Drlg	8	dsl	2600	C-E C1 Type III	2582	220

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
POLK (Cont'd)						
Forex Neptune and/or Affil	46	d-e	3200	G-D 1500E	2000	217
Goldrus Drlg	5	d-e	3400	Olwl E2000	1700	200
RAINS						
Delta Drlg	54	dsl	2000	Nat 80B	1560	140
Goldrus Drlg	3	d-e	1700	Olwl E2000	3400	200
Penrod Drlg	107	dsl	1000	Nat 80B	1760	150
Transcontinental Drlg-Magnolia	35	dsl	1000	G-D 800M	1000	150
REAGAN						
FWA Drlg	30	dsl	1100	Wils Giant	900	100
	4	dsl	1365	Wils Giant	900	110
	8	dsl	1065	Wils Giant	900	110
M G F Drlg-Midland	2	dsl	800	MC U15	800	100
Prairie States Expl	1	dsl	1000	Nat 50CA	660	110
Sterling Drlg (TX)	11	dsl	375	Idco H30	480	65
Tahoe Drlg	1	dsl	900	Nat 50CA	1000	110
Transcontinental Drlg-San Angelo	33	dsl	898	Unit U15	650	85
Tri-Service Drlg	4	g-b	700	Olwl 66	700	100
TMBR Drlg	26	dsl	700	G-D 500	700	110
REEVES						
Cactus Drlg Co	60	dsl	520	Beth S45E	454	65
Henley Drlg	2	d-e	2600	C-E C2	2000	250
Kenai Drlg of Texas	18	dsl	410	Idco H35	450	65
Parker Drlg	88	g-e	2700	Nat 130	3000	300
Santa Fe Drlg	5	gas	2600	Beth B1013	2118	220
Sharp Drlg	59	dsl	2331	Beth MC950	2742	230
	72	d-e	2160	Olwl 840E	2430	220
Verna Corp	11	dsl	550	MC U15	810	115
Willbros Drlg	9	d-s	3000	Idco E1700	3000	250
REFUGIO						
J & C Drlg	9	dsl	1050	Wils 600	630	90
Padre Drlg	2	dsl	500	S/B H4210	400	75
	8	dsl	700	S/B H14610	750	100
ROBERTS						
Baker & Taylor Drlg	6	dsl	1400	MC U40	1400	200
Sage Drlg	4	dsl	800	MC U15	800	110
Service Drlg (TX)	11	dsl	400	MC U34	400	50
Triad Drlg	6	dsl		S/B N95A	1650	200
Zenith Drlg	3	dsl	800	S/B N75	800	100
	5	dsl	1100	BDW 800	1100	160
RUNNELS						
Bandera Drlg	6	dsl	600	MC U34	360	65
	7	dsl	750	MAC 300	400	75
Mesa Drlg	2	dsl	675	Weis W45	500	80
	3	dsl	675	MAC 300	550	80
RUSK						
Coliseum Drlg	3	dsl	1200	S/B N72W	912	120
D B Drlg-Shreveport	27	dsl	750	Nat 50A	750	110
Delta Drlg	64	dsl	1500	C-E D2 Type III	784	110
Gibson Drlg	11	dsl	1200	C-E D2	1200	120
	2	dsl	526	Wils Mogul 65	398	50
	6	dsl	506	Wils Mogul 42	318	50
Hinton Drlg, W B	9	d-e	2600	Nat 110UE	3000	200
Loffland Bros	203	dsl	1140	MC U15	1000	100
Rainbow Drlg	4	dsl	1600	Cbot 1200	1200	140
Verna Corp	22	dsl	550	MC U15	600	100
Woolf & Magee	11	dsl	850	Beth S45E	500	95
SABINE						
Challenger Drlg	47	dsl	700	G-D 500	600	80
SAN JACINTO						
Delta Drlg	99	d-e	3200	C-E C2	3456	250
SAN PATRICIO						
Cinco Drlg	11	d-e	2000	Sup 1000	1000	160
Harkins & Co	13	dsl	1477	Cbot 1000	1000	120
San Patricio Corp	5	dsl	1000	Shaf 800	600	90
SCHLEICHER						
Tucker Drlg	3	dsl	350	S/B N45	600	65
SCURRY						
Britton Inds Drlg	2	dsl	1000	Nat 50CA	1000	120
D B Drlg	11	dsl	770	Shaf SOS6000	540	85
	2	dsl	675	Nat 732	540	85
	9	dsl	830	MC U34	530	75
GCO Drlg	4	dsl	1200	BDW 650M	650	100
Hondo Drlg	1	dsl	875	MC U15	700	100
McCutchen Drlg, J W	3	dsl	820	Wils Atlas Roadair	820	105

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
SHACKELFORD						
Bandera Drlg	5	dsl	650	MAC 300	475	75
Jones Drlg Co	51	dsl	425	S/B N4	425	60
	53	dsl	225	Houston Portable	225	30
	54	dsl	425	Beth S45	425	60
	55	dsl	450	Beth S45	425	70
SHELBY						
Gibson Drlg	1	dsl	606	Wils Mogul 42	398	50
	4	dsl	506	Wils Mogul 65	398	50
Grace France Drlg	5	el	2400	Olwl 760E	2400	170
Sawyer Drlg & Serv	1	dsl	700	S/B N7	700	110
United Drlg Div	4	dsl	1000	Sup PSD700	700	100
SMITH						
Continental Drlg	3	d-e	2600	Idco E1700	1700	180
	42	d-e	3200	Idco E2100	2100	250
	6	d-e	2600	Idco E1700	1700	180
Delta Drlg	74	dsl	1000	S-H 7000	480	90
Gibson Drlg	7	dsl	895	C-E GB350	660	85
Globe Drlg	3	dsl	800	MC U15	800	120
	5	dsl	850	Olwl 76	1000	140
	7	dsl	3000	G-D 1100	1500	200
	8	d-e	3000	G-D GD1000	1500	200
Henley Drlg	220	dsl	1200	Cbot 900	900	100
Maxwell Herring Drlg	12	dsl	1500	Wils 150A	2500	150
	17	dsl	2500	Beth 1500	2400	200
	18	dsl	3250	G-D 1100	2700	220
	19	dsl	2100	G-D 1100	2100	180
	2	dsl	1034	Beth M810	926	120
	20	dsl	1800	S/B 75A	1200	1120
	3	dsl	1000	G-D 800	1000	120
Noble Drlg	N-58	dsl	800	Nat 55	800	120
Penrod Drlg	18	dsl	2250	Nat 1625M6	2200	100
Rotary Drlg	11	dsl	850	S-H 7000	700	106
Thunderbolt Drlg	52	dsl	1700	Nat 55	1845	130
United Drlg Div	10	dsl	950	MC U34	470	65
	9	dsl	1200	Beth M58	800	125
Verna Corp	24	dsl	550	MC U15	600	100
	29	dsl	1000	MC U15	600	100
	30	dsl	550	MC U15	600	100
STARR						
Alanco Drlg	3	dsl	1425	Idco H1000	975	110
Bawden Drlg, Peter (TX)	7	dsl	1200	Nat 55	700	115
Willis Drlg	1	dsl	1000	Beth B-Line MC450	1000	120
STEPHENS						
E & H Drlg	6	dsl	600	Wils Mogul	350	65
	7	dsl	500	Nat T32	350	65
Faulk Drlg	4	dsl	450	S/B N4	450	60
Grand Drlg	1	dsl	800	Shaf SS600S	475	80
Lynx Drlg	2	dsl	500	Idco H30	360	70
Seely & Co	1	dsl	290	G-D 1500	290	15
	2	dsl	350	Fall 2500	350	25
Wes-Mor Drlg	6	g-b		MC U34		45
STERLING						
D B Drlg	8	dsl	830	Beth S55	700	100
GCO Drlg	6	dsl	820	BDW 650M	650	100
Moran Bros	58	dsl	1300	Cbot 750	750	90
Robinson Drlg of Texas	5	dsl	750	MC U15	900	95
Tucker Drlg	2	dsl	750	C-E GB500	750	100
Wes-Tex Drlg	1	dsl	650	Nat 50A	650	100
	3	dsl	700	Nat 50A	700	100
STONEWALL						
Bandera Drlg	4	dsl	750	BDW 450T	540	85
GCO Drlg	2	dsl	640	BDW 450	450	75
Mesa Drlg	4	dsl	675	SOS 6000	550	80
Safari Drlg	8	dsl		Detroit Diesel 8V		80
Wes-Mor Drlg	4	dsl	400	MC U15		75
SUTTON						
D B Drlg	22	dsl	410	MC U34	388	70
Delta Drlg	73	dsl	500	S-H 7000	440	90
Mellon Drlg	4	dsl	750	Beth S50	375	70
Penrod Drlg	25	dsl	2600	C-E C2	1950	250
TMBR Drlg	11	gas	500	MC U15	500	100
	15	gas	700	MC U15	500	105
	8	dsl	700	Nat 50CA	600	105
TAYLOR						
Bandera Drlg	9	dsl	700	MAC 300	475	75
Douglas Drlg	1	dsl	700	Nat 50CA	700	100
Hack Drlg	2	dsl	350	S/B N4	350	55
McBay Oil & Gas	1	dsl	3406	Wils Super 38	3300	80
	2	dsl	3406	Beth S50	3406	80
Safari Drlg	1	dsl	640	MC U15	640	100
	7	dsl	480	C-E G42	560	70
Sojourner Drlg	10	dsl		MC U15	550	70
	7	dsl	350	MC U15	7500	75
Tri-J Drlg	1	dsl	325	Wich R5	250	30
	3	dsl	500	May 3000	250	30
	5	dsl	375	Wich R6A	350	50

TEXAS (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
TERRELL						
Cactus Drlg Co	1					
TERRY						
Cactus Drlg Co	9					
Cactus Drlg Corp	9	del	1200	S/B N75	1200	135
Hondo Drlg	4	del	1650	S/B N75	1100	140
Norton Drlg	7	del	450	Wils 65	650	85
Sharp Drlg	38	del	790	Beth M58	888	120
TMBR Drlg	6	del	700	Nat 75CA	750	120
Willbros Drlg	1	del	1200	Olwl 76	1200	140
THROCKMORTON						
Ashtola Drlg	1	del	800	MC U15	600	75
Burns L D Drlg	3	del	800	Wils 75	780	105
E & H Drlg	4	g-l	550	MC U15	550	75
TITUS						
Hinton Drlg, W B	3	del	1700	Nat 80B	1650	150
TOM GREEN						
Lange Drlg, LeRoy	1	del	225	Jaswell	525	35
Lynx Drlg	4	del	750	TSM-6000	540	90
M N D Drlg-Northern	61	del	700	MC 38A	600	115
Mellon Drlg	3	del	750	Beth S60	375	62
Stahico Drlg	2	del	510	I-R T5	485	50
Transcontinental Drlg-San Angelo	30	del	750	S/B N55	750	100
	34	del	674	Beth S55	650	80
Tucker Drlg	1	del	750	S/B N55	750	100
	10	del	750	S/B N45	750	75
	12	del	750	Nat 50A	750	100
	4	del	214	MC U15	450	75
	5	del	750	C-E GE500	750	100
	6	del	750	S/B N75	750	120
	7	del	375	Beth 560	600	70
	9	del	750	Nat	750	100
TMBR Drlg	32	del	1200	Nat T18		
Wes-Tex Drlg	8	del	335		500	80
TRAVIS						
Howell Drlg	1	del	1000	Cbot 900	900	110
TRINITY						
Wilson Bros Drlg	12	del	1850	Nat 110	1850	160
TYLER						
Cliffs Drlg	41	del	2600	Nat 1320	2475	250
Diamond M Land Drlg	175	del	2000	MC 1220	2000	250
UPSHUR						
Delta Drlg	15	del	1800	C-E D3 Type III	1040	135
FWA Drlg	27	del	2000	G-D 800M	1580	155
	33	del	1750	G-D 700M	1040	120
Nowotny & Conley Drlg	1	del	2000	OIME SL-1000	1200	150
Rainbow Drlg	5	del	2000	Cbot 1200	1200	150
Resource Drlg	RD-31	del	1560	Nat 80B	1835	140
Woolf & Magee	2	del	1550	G-D 700	1000	135
UPTON						
BJM Drlg & Expl	3	del	1200	Nat 150AC	1000	120
FWA Drlg	11	del	1085	Wils Giant	900	110
	3	del	1250	Wils Super Giant	1040	130
Holliday Drlg	1	del	1000	G-D 700	1000	120
Hurt & Assoc, Clint	10	del	1200	Wils 75	900	110
Resource Drlg	RD-25	del	1560	Nat 80B	1835	140
VAL VERDE						
Delta Drlg	4	del	2150	Nat 100	1580	160
Tri-Service Drlg	11	d-e	3000	MC 1220ED	3000	200
VAN ZANDT						
Hinton Drlg, W B	8	del	1300	S-H 7000	400	100
VICTORIA						
B D K Drlg	1	del	1000	Wils Giant	580	85
	10	del	1000	S/B N46	900	100
	6	del	1000	S/B 4610	950	100
	8	del	1000	S/B 4610	750	100
Billbo Drlg	1	del	500	S/B N4A	500	80/4"
	3	del	900	Crdw KB250	600	80/4"
	4	del	800	Cbot 900	900	115
Burro Drlg	1	del	500	Wils Mogul 42	500	90
Continental Drlg	14	d-e	2000	Idco ED1200	1200	160
	2	d-e	2800	Idco E1700	1700	190
Corpus Christi Drlg	6	del	300	S/B 550	450	60
Houtech Drlg	801	del	1500	Seaco 1400M	1300	150
	803	del	1600	G-D 700	1200	150
	804	del	1600	G-D 700	1200	150
Padre Drlg	4	del	500	S/B H4210	400	75
VICTORIA (Cont'd)						
Southland Drlg	11	del	2300	MC A1500	2300	240
	12	del	2300	MC 1500A	2300	240
	14	del	2225	C-E A1500	2500	240
	16	del	1925	S/B N12A	2200	170
	5	del	700	S/B N55	700	100
	9	del	600	S/B N45	600	75
WALKER						
Cliffs Drlg	40	d-e	2600	Nat 1320UE	3025	250
WARD						
BJM Drlg & Expl	1	del	1200	MC U15	1000	120
Dual Drlg	37	del	875	Olwl 500	700	100
Hillin Drlg	3	del	500	BDW 450T	575	75
	8	del	500	Wils 42 Mogul	400	60
Moran Bros	39	d-e	2600	C-E C1 Type II	1500	200
Sharp Drlg	67	del	2331	MC U914C	2742	235
T O T Drlg	2	del	1155	OIME SL5	1155	150
TMBR Drlg	12	del	700	Nat 50	600	105
	24	del	1100	G-D 700	1100	140
WASHINGTON						
Durkee Drlg	1	d-e	2000	Sup 1000UE	1000	160
Ladrido Drlg	3	del	1350	MC U15	1050	120
Spartan Drlg	9	d-e	1000	Sup 1000UE	1000	160
WEBB						
Alanco Drlg	2	del	1000	Idco H40	600	100
Atco Drlg Southern	19	del	1500	Olwl 66	700	105
	50	del	1850	Nat 100HD	750	150
	57	del	1600	Nat 610UE	800	120
Bearden Drlg, Jack E	3	del	1200	Wils Mogul Super 42	750	95
	5	del	1200	Wils 75	900	75
Cactus Drlg Co	61	del	520	Nat T20	460	80
Harkins & Co	7	del	1650	Nat 110	1650	160/5"
PRC Drlg	6	del	1790	S/B N75A	1040	130
Rio Colorado Drlg	145	del	2000	Nat 110	1650	180
Texas Drlg	10	del	2000	Cbot 1200	1700	150
	2	del	1700	S/B N7	1200	125
	3	del	1700	Nat 50A	1455	125
	5	del	1700	Cbot 1200	1200	170
	6	del	1200	Cbot 900	950	110
	7	del	1700	Cbot 900	900	115
	8	del	2000	Cbot 1200	1200	150
	9	del	1800	C-E D2	1200	140
Williams Drlg of South TX	3	del	800	Idco BIR8085	950	115/4"
WHARTON						
Bawden Drlg, Peter (TX)	2	d-e	2000	Nat 1320UE	2000	220
Dixilyn-Field Drlg	11	del	2600	Nat 110M	2331	180
FWA Drlg	29	del	2600	Nat 110	2400	200
WHEELER						
Baker & Taylor Drlg	2	del	1400	MC U20	1400	200
	3	del	1200	MC U20	1200	180
Cliffs Drlg	27	del	2600	Nat 1320	2475	250
Cothrum Drlg	10	del	1500	G-D 1500	2250	240
Helmerich & Payne Intl Drlg	47	del	2475	Olwl M2000	2730	280
	80	d-e	2200	Nat 110UE	1500	200
	82	d-e	2800	Olwl E2000	2000	280
Loffland Bros	222	d-e	3300	MC U1220B	2200	280
Moran Bros	34	del	1700	Olwl 700	1000	150
Moran Drlg, E W	28	d-e	3200	G-D 3000E	3000	400
	29	del	1400	G-D 700	800	130
Noble Drlg	N-115	del	2130	Nat 110	2130	200
	OW-22	d-e	3300	Olwl E2000	3300	250
Parker Drlg	182	del	2200	OIME SL1500P	2200	220
Penrod Drlg	116	del	1300	Nat 1320M	2000	250
	117	del	1300	Nat 1625M	2000	250
Resource Drlg	8	del	2330	Nat 110	2740	180
Service Drlg (TX)	12	del	1000	C-E D2	800	120
Sharp Drlg	88	d-e	2331	Olwl M2000E	2742	300
Unit Drlg & Expl	18	del	1000	G-D 700	1300	180
Viersen & Cochran Drlg	16	del	3200	Nat 1320UE	3417	250
WICHITA						
Moran Drlg, E W	12	del	1200	Beth S80	600	100
	20	del	1200	S-H 7000	450	95
WILBARGER						
Luke Grace Drlg	1	g-b	500	MC U15	750	105
	2	del	500	MC U15	750	105
Magargal Drlg	2	del	750	MC U15	750	70
Theiss Drlg	1	del	900	S/B H46	900	100
WILLACY						
Nicklos Drlg	77	d-e	1800	C-E CII	1530	160
Willis Drlg	5	del	800	MC U15	800	100
WILSON						
Magee-Poole Drlg	7	del	1130	Cbot 750	808	90/4"
Padre Drlg	6	del	500	S/B H4210	400	75
South Texas Drlg	5	del	500	S/B N45	500	80
WINKLER						
Cactus Drlg Co	58	del	520	Beth S45E	454	65
	66	del	520	S/B N4	454	60
Santa Fe Drlg	10	d-e	2000	C-E Electrohoist II	1800	220
WISE						
Lin-Mour Drlg	31	gas	700	Wils Giant	700	90
M N D Drlg-Northern	1359	del	450	C-E-350	450	60
	5001363	del	800	MC U15	800	95
	5001364	del	800	MC U15	800	95
	51	del	660	Nat 50	550	70
	52	del	550	MC U15	550	70
	53	del	600	MC U15	600	90
	54	del	600	MC U15	600	90
	55	del	600	MC U15	600	90
	60	del	800	MC U15	800	95
	62	del	600	MC U15	600	90
	65	del	700	MC U36A	700	120
	66	del	700	MC U36A	700	120
Magergel Drlg	16	del	500	Shaf S6000	500	80
WOOD						
Delta Drlg	21	del	2300	G-D 1100	2592	170
Gibson Drlg	8	del	529	Wils 65	380	50
Globe Drlg	6	del	700	C-E C50	700	100
Helmerich & Payne Intl Drlg	40	del	1650	Olwl 860	1815	200
Justiss Oil	28	del	700	Olwl 96	1000	150
Thunderbolt Drlg	20	del	1150	Wils Mogul	476	80
YOAKUM						
Chico Drlg	4	del	1000	Unit U15A	878	110
	6	del	1300	C-E D2	1224	140
Hillin Drlg	9	del	600	Idco H40	600	80
Hondo Drlg	3	del	1100	Beth M58C	800	130
Kenai Drlg of Texas	28	del	1200	S/B N7	800	120
Norton Drlg	2	del	450	Wils Mogul 42	650	70
Quarles Drlg	15	del	2000	RMI 1000	1000	150
Sitton Drlg	7	del	450	Wils 75P	900	115
Tri-Service Drlg	3	g-b	750	Olwl 76	750	130
Verna Corp	1	del	600	S/B N55	800	125
	2	del	600	S/B N55	800	125
YOUNG						
Cothrum Drlg	8					
E & H Drlg	2	del	400	MC U34	325	60
Franklin Drlg	1	del	300	G-D 1500	300	15
	2	del	400	G-D	400	25
Lin-Mour Drlg	4	gas	400	Wils Mogul	310	50
Oilwell Drlg	6	del	476	Wils 550		55
	7	del	476	S-H 5000	476	70
	8	del	800	SOS 6000S	650	80
	9	del	800	Crdw L	500	40
Wes-Mor Drlg	10	del		MC U15		75
	2	del		MC U34		60
	7	del	680	MC U34	680	75
	8	g-b		MC U15		65
ZAPATA						
Buzzini Drlg	10	del	3600	Olwl M2000	2400	200
Delta Drlg	17	d-e	2300	C-E C1 Type II	2592	160
	95	d-e	2900	C-E Cl Type II	3456	200
Harkins & Co	6	del	1260	S/B N75A	1260	125
	8	del	1800	C-E C1 Type III	1800	160/5"
Helmerich & Payne Intl Drlg	37	del	2835	Olwl M2000	2835	220
Kelley & Kerr Drlg	KK-1	d-e	2000	OIME SD7	1500	180
Penrod Drlg	119	del	1600	Nat 1625M	3000	300
	22	del	2600	Nat 1320N	1950	250
PRC Drlg	7	del	1700	G-D 800M	1040	180
Willis Drlg	4	del	1200	S/B N85	1200	140
ZAVALA						
Sundown Drlg	1	del	400	C-E 160GB	400	55
	7	del	475	C-E GB250	475	75

UTAH

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Westburne Drlg Canada	65	del	520	Nat T45	460	85
CARBON						
Grace-Bomac Drlg	91	del	1650	Nat 80B	1650	160
DAGGETT						
All Western Drlg	2	gas	800	MC U15	700	100

UTAH (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
DUCHESNE						
Bawden Drlg Ltd, Peter	21	d-e	2000	C-E C1	1500	180
Coleman Drlg	1	dal	900	Idco H44	636	80
Olsen Drlg	2	dal	1250	Nat C350A	1000	100
	5	dal	8015	Crdw 1350	500	80
Parker Drlg	177	dal	1400	OIME SL1500	1400	185
Rio Grande Drlg	2	dal	1000	Nat 80B	1500	160
Transcontinental Drlg-Denver	57	dal	1100	G-D 800	1300	130
TWT Expl	51	dal				55
	55	dal				80
	56	dal				120
	57	dal				170
Viersen & Cochran Drlg	13	dal	1850	Nat 80B	1500	180
	7	dal	1700	MC U712A	1554	180
	8	dal	1450	Nat 80B	1554	180
W E S Corp	56	dal				140
	7		1000	Wils Giant	1000	120
EMERY						
Nicor Drlg	46	d-e	2000	C-E C1E	1000	210
GARFIELD						
Kenting Drlg	20-E	d-e	2400	MC U914 EC	2000	200
Loffland Bros	58	d-e	1600	Nat 80B	2000	150
GRAND						
Nicor Drlg	57	dal	925	Nat T45	550	108
Parker Drlg	112	dal	3000	Idco 3000	3000	300
Veco Drlg	2	dal	425	May 5000	500	70
	3	dal	850	MC U36A	700	90
JUAB						
Penrod Drlg	102	dal	1600	Nat 610M	984	180
MILLARD						
Montgomery Drlg	31	dal	2000	Nat 110UE	2700	180
MORGAN						
Anderson-Myers Drlg	17	dal	2300	Nat 110	2300	220
Exeter Drlg Northern	43	dal	2250	C-E C Type III	2250	200
RICH						
Brinkerhoff-Signal	2	dal	875	MC U36A	800	90
Grace-Bomac Drlg	44	dal	1650	G-D 800	1650	160
Manning, R L	30	d-e	1600	C-E D3	1000	165
SAN JUAN						
Anderson-Myers Drlg	10	dal	670	Nat T32	800	85
	18	dal	800	Nat T45	800	100
Arapahoe Drlg	2	g-b	300	Nat T32	320	80
	4	g-b	700	Nat 50A	500	120
Bayless Drlg	1	dal	1500	Idco H1000	950	100
Brinkerhoff-Signal	32	dal	1000	C-E GC350	465	80
Coleman Drlg	3	dal	900	Idco H44CSC	636	80
	4	dal	1300	S/B MODN46	930	100
Four Corners Drlg	8	dal	1500	Crdw KB500	750	80
SEVIER						
Grace-Bomac Drlg	56	dal	2400	G-D 1100M	2400	200
Parker Drlg	118	d-e	1650	Nat 80B	1650	200
SUMMIT						
Brinkerhoff-Signal	83	d-e	2000	C-E D3	2000	180
	88	dal	4000	Nat 110UE	2000	200
Dixilyn-Field Drlg	38	dal	2000	Nat 110UE	2000	180
Exeter Drlg Northern	56	dal	[illegible]	[illegible]-D 1100	1650	200
Harpel Drlg	6	d-e	20[illegible]	C-E D2	1000	140
Loffland Bros	188	dal	21[illegible]	MC U914C	2400	200
Manning, R L	31	d-e	1350	C-E D2	700	110
	32	d-e	1600	C-E D3	1000	165
	33	d-e	1850	C-E C1	1500	195/5"
	35	d-e	2400	C-E C1	1500	200/5"
Noble Drlg	N-116	dal	3000	Nat 110UE	3000	200
	OW-862	dal	2400	Oiwl 860	2400	180
Norton Drlg	9	d-e	1350	G-D 110E	1500	200
Parker Drlg	169	dal	1650	OIME SL1000P	1650	200
	170	dal	1650	OIME SL1500P	1650	200
	171	dal	1650	OIME 1500P	1650	200
	173	dal	1650	OIME 1500P	1650	200
	183	dal	1650	OIME 1500P	1650	200
Transcontinental Drlg-Denver	41	dal	2450	G-D 1100	2925	180
Viersen & Cochran Drlg	11	dal	2800	Nat 110	2400	200
UINTAH						
All Western Drlg	1	dal	1200	Schramm		15
	3	dal	1050	MC U15	840	100
	4	dal	1500	Sup 700	750	100
Brinkerhoff-Signal	85	dal	550	Nat 370	800	90
Loffland Bros	236	dal	1230	MC U15	1000	100

UTAH (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UINTAH (Cont'd)						
Manning, R L	10	dal	720	Oiwl 680	720	100
	23	dal	800	S/B N45	740	75
	9	dal	650	C-E GA500	650	85
Nicor Drlg	66	dal	2000	MC U712A	1200	160
Shelby Drlg	53-E	d-e	1000	Nat 370ESCR	700	100
TWT Expl	58	dal				140
	59	dal				120
W E S Corp	51	dal				50
	59	dal				120
Westburne Drlg	58	dal	310	Nat T32	275	70
	65	dal	870	Nat T45	400	85
UTAH						
Loffland Bros	221	dal	2880	MC U1220AE	3200	250
WASATCH						
Penrod Drlg	20	dal	2600	Nat 1320M	1950	250

VIRGINIA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
LEE						
Union Drlg	4	dal	1200	S-H 6000	340	70

WASHINGTON

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
GRANT						
Brinkerhoff-Signal	53	d-e	2325	Nat 110	2325	200
KING						
Taylor Drlg	5	dal	330	MC U34	375	40

WEST VIRGINIA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
BARBOUR						
Union Drlg	8	dal	1200	Idco BIRH37	425	65
BOONE						
Ray Resources	4	dal	450	Idco BIR5525	600	60
CABELL						
FWA Drlg	22	dal	275	Wils Super 38	300	45
CALHOUN						
Hurt & Assoc, Clint	8	dal	350	Kremco K600	500	75
FAYETTE						
Smith Drlg	10	dal	3550	Chal M320	360	50
	12	dal	450	Chal M320	400	50
HAMPSHIRE						
Union Drlg	9	dal	1200	Cbot Exp III	425	90
JACKSON						
Hurt & Assoc, Clint	4	dal	350	Wils Super 38	350	50
	7	dal	350	Kremco K600	500	75
Smith Petr, Carl E	4	dal		C-E T97	500	100
	5	dal		MC NDT335		45
	6	dal		Idco BIR5525	500	75
	7	dal		Idco BIR5525	500	75
KANAWHA						
Hurt & Assoc, Clint	2	dal	350	Wils Super 38	350	50
Ray Resources	6	dal	450	Idco DIR7015	700	80
LEWIS						
Union Drlg	2	dal	1200	Idco BIR5525	425	60
McDOWELL						
Ray Resources	9	dal	450	Idco H35	600	65
MASON						
Delta Drlg	84	dal	1800	C-E D3 Type III	1580	160
MINGO						
Hurt & Assoc, Clint	5	dal	350	Wils Super 38	350	50
NICHOLAS						
Union Drlg	3	dal	1200	Idco 650	425	90
PLEASANTS						
FWA Drlg	23	dal	275	Wils Super 38	300	60
PUTNAM						
FWA Drlg	15	dal	275	Wils Super 38	300	45
RALEIGH						
Ray Resources	3	dal	450	Idco BIR5525	600	60

WEST VIRGINIA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
RITCHIE						
Hurt & Assoc, Clint	1	dal	350	Wils Mogul 42	500	75
Union Drlg	6	dal	1200	S/B DH4210	425	80
ROANE						
FWA Drlg	13	dal	275	Wils Giant	500	45
UPSHUR						
Hurt & Assoc, Clint	3	dal	350	Wils Super 38	350	50
Union Drlg	1	dal	1200	Crdw KM250	425	60
	11	dal	1200	S-H 5000	350	50
	13	dal	1200	Idco BIR5525	425	60
	5	dal	1200	Crdw 350	385	60
WIRT						
Ray Resources	14	dal		Nat T20	600	65
	7	dal	450	Crdw KB500	700	80
WOOD						
Hurt & Assoc, Clint	8	dal	350	Wils Mogul 42	500	70

WYOMING

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
UNDESIGNATED						
Baltic Drlg	1	dal	870	Sup 700	600	105
Kenai Drlg West Coast	1	dal	2450	C-E A800	2450	150
	12	dal	850	Nat 50A	950	100
	26	dal	1000	Wils Atlas	1150	140
	27	dal	1000	Nat CA75	1150	140
	3	dal	600	Oiwl 52T	700	95
	33	dal	800	Wils Giant	1000	120
	35	dal	800	Nat CA75	1150	140
Westburne Drlg Canada	69	dal	1950	Nat 1320M	1950	200
ALBANY						
Atco Drlg	20	dal	800	C-E GB500	800	100
Barnhart Drlg	[illegible]	dal	350	G-D 15W	350	15
BIG HORN						
Anderson-Myers Drlg	4	dal	1200	C-E GA500	1200	110
Barnhart Drlg	3	dal	600	Idco H35	350	60
Exeter Drlg Northern	19	dal	700	G-D 800	1100	140
Nicor Drlg	60	dal	1700	Nat 55M	700	150
CAMPBELL						
Apollo Drlg	23	dal	1100	Nat 50A	810	90
Atco Drlg	27	dal	720	Beth C50	720	85
	54	d-e	1800	Nat 610UE	1800	120
	8	dal	1230	C-E A550	1230	120
Brinkerhoff-Signal	20	dal	500	Nat 50A	500	100
	21	dal	1040	C-E GC500	1040	115
	82	dal	1500	G-D 700M	800	125
Burris Drlg	117	dal	800	MAC 400	500	105
	118	dal	850	MAC 400	500	105
Cyclone Drlg	1	dal	800	MC U15	800	90
	2	dal	800	Beth M58	800	120
	3	dal	1250	MC U30	1250	150
	4	dal	800	MC U15	800	90
	5	dal	800	Beth M58	800	120
	6	dal	800	Nat 50A	800	100
Exeter Drlg Northern	10	dal	500	S/B N55	750	105
	20	dal	500	C-E GC500	750	110
	3	dal	550	Nat 50A	750	95
	30	dal	750	C-E D2	1100	125
	35	dal	500	MC U15	750	95
	36	dal	450	Beth M58	750	110
	37	dal	500	G-D 700	1100	125
	38	dal	500	MC U15	750	95
	7	dal	700	S/B N75	1000	125
	9	dal	750	S/B N75	1100	125
Grace-Bomac Drlg	28	dal	1125	C-E GA500	800	100
Transcontinental Drlg-Denver	55	dal	810	Oiwl 76	980	120
CARBON						
Anderson-Myers Drlg	7	dal	1200	Nat 55	1400	130
Brinkerhoff-Signal	3	dal	1000	Nat 55	1000	120
Manning, R L	22	dal	1000	C-E A550	1300	110
Rio Grande Drlg	26	dal	750	S/B N75	1030	145
Simmons Drlg	48	dal	350	Hycalog HH8000	350	88
CASPER						
Signal Oilfield Serv	1	dal	550	Cbot 750	700	85
	27	dal	1025	Cbot 800	750	90
	28	dal	735	Cbot 800	750	90

WYOMING (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make And Model	Total HP Available to Drawworks	Rated Depth With 4½-in. Pipe, 100 ft.
CONVERSE						
Anderson-Myers Drlg	9	dsl	1200	Nat 55	1200	120
Brinkerhoff-Signal	14	dsl	1000	Nat 55	1000	125
Energy Operating Corp	3	dsl	2000	Nat 80B	1800	180
Exeter Drlg Northern	18	dsl	500	Nat 50A	750	95
Helmerich & Payne Intl Drlg	38	dsl	1230	Nat 80	1385	160
Loffland Bros	183	dsl	1260	Nat 80B	1500	160
	234	dsl	1400	MC U40	1600	130
Manning, R L	6	dsl	1290	C-E GB800	1290	140
Transcontinental Drlg-Denver	38	dsl	1750	G-D GD800	1836	150
	40	dsl	1200	Olwl 76	1224	125
Westburne Drlg	60	dsl	750	Nat 50A	850	110
CROOK						
Exeter Drlg Northern	21	dsl	550	MC U15	720	95
	34	dsl	500	MC U15	750	95
	39	dsl	500	MC U15	750	95
Gallagher Drlg	6	dsl	520	Crdw O	970	120
True Drlg	15	g-l	1300	Nat 50A	1000	115
FREMONT						
Atco Drlg	12	dsl	1845	Nat 80B	1845	150
	2	dsl	2000	Nat 80B	1000	150
Brinkerhoff-Signal	69	dsl	1000	Nat 110	1500	180
	72	dsl	2000	Nat 1320UE	2000	250
Dixilyn-Field Drlg	38	dsl	2000	Nat 110UE	2000	180
	39	dsl	2600	Nat 110UE		180
	40	dsl	1600	Nat C205		150
	41	dsl	3200	Nat 1320UE	2000	200
Grace-Bomac Drlg	24	dsl	2400	Nat 110M	2400	200
Loffland Bros	223	dsl	1260	MC U15	1000	100
Manning, R L	12	dsl	700	Olwl 63	550	110
	25	dsl	1000	S/B N75	1300	115
Parker Drlg	124	dsl	1650	Olwl 2000E	1650	250
Quarles Drlg	24	dsl	2700	G-D 1500E	2000	300
Shelby Drlg	12	d-e	1600	G-D 1100ESCR	2000	200
Stewart Bros Drlg	45	dsl	324	Fail 2500	324	30
	51	dsl	324	Fail 2500	324	30
Trigg Drlg	6	d-e	2400	MC U814E	2400	250
Westburne Drlg	69	dsl	1400	Nat 1320M	1600	200
	72	dsl	720	Nat T32	360	75
HART						
Roden Drlg, J B	1	dsl	636	C-E GB350	640	85
HOT SPRINGS						
Anderson-Myers Drlg	1	dsl	680	Nat T32	450	70
	2	dsl	1200	Nat 55	1200	120
Barnhart Drlg	2	dsl	600	Nat T20	350	50
JOHNSON						
Anderson-Myers Drlg	6	dsl	1800	C-E GB800	1800	150
Brinkerhoff-Signal	57	dsl	1560	Nat N80B	1560	160
Burris Drlg	114	dsl	1500	G-D 1100	1500	200
Enopco	3	dsl	1620	Nat 80B	1620	175
Exeter Drlg Northern	8	dsl	500	S/B N7	750	95
Harpel Drlg	4		1400	S/B N46	900	120
Loffland Bros	40	dsl	1680	S/B N95	2000	160
Manning, R L	34	d-e	1600	C-E D3	1000	190
True Drlg	25	dsl	2100	MC U814C	2100	220
LINCOLN						
Brinkerhoff-Signal	12	dsl	1000	Nat 55	1000	120
Exeter Drlg Northern	29	dsl	1200	G-D 800	1125	150
LINCOLN (Cont'd)						
Forwest	6	d-e	2600	Nat 110UE	2000	200
Helmerich & Payne Intl Drlg	81	d-e	2200	Nat 110UE	1500	200
Loffland Bros	106	dsl	2160	S/B N12A	2400	250
	119	d-e	4000	C-E CE3000 Type II	3300	350
	184	dsl	2160	MC U712A	2400	150
	60	d-e	1800	MC U712A	2000	170
	89	d-e	2100	MC U1220EB	2400	250
Manning, R L	29	dsl	800	C-E GB500	934	90
Norton Drlg	10	dsl	750	G-D 700	1070	150
Parker Drlg	163	dsl	1650	OIME SL1500	1650	200
	92	dsl	1650	Nat 100M	1650	160
Rio Grande Drlg	10	d-e	1300	Nat 1320UE	1195	250
True Drlg	18	g-l	1300	Nat 50A	1000	110
	24	dsl	1400	MC U814C	2400	220
	9	dsl	1200	MC U40	1200	150
NATRONA						
Burris Drlg	112	dsl	1530	G-D 1100	1500	200
Dixilyn-Field Drlg	31	d-e	2300	Nat 1320UE	5000	250
	32	dsl	2300	Nat 130	2331	250
	34	d-e	3200	Nat 1320UE	2500	250
Grace-Bomac Drlg	43	dsl	1100	G-D 700M	1100	125
Loffland Bros	70	d-e	3300	MC U1220EB	2200	250
	97	d-e	3300	MC U1220ER	3300	300
Murco Drlg	58	d-e		Sup 4000E		540
Parker Drlg	118	dsl	1650	Nat 100M	1650	200
Transcontinental Drlg-Denver	53	dsl	810	Nat 50A	980	90
West Wind Drlg	55					
Westburne Drlg	70	dsl	700	Nat 50A	700	100
NIOBRARA						
Exeter Drlg Northern	17	dsl	500	Nat 50A	750	95
Harpel Drlg	5	dsl	1250	S/B N42	700	85
PARK						
Anderson-Myers Drlg	11	dsl	1200	Nat 55	1200	130
Atco Drlg	25	dsl	700	Idco H525	700	95
Barnhart Drlg	1	dsl	700	Idco H525	575	75
Manning, R L	15	dsl	700	Nat 55	700	110
	16	g-b	640	Nat T32	458	65
	17	g-b	770	C-E GC500	910	110
	28	g-b	800	C-E GB350	506	75
	8	dsl	850	C-E GA500	850	90
Penrod Drlg	115	dsl	1600	Nat 1625ME	3000	300
Simmons Drlg	36	dsl	350	Hycalog HH600P	350	68
	41	dsl	350	Hycalog HH6000	350	68
Wyoming Well Serv	21	dsl	500	Idco H35	318	50
	24	dsl	300	Crdw 200A	318	45
	30	dsl	300	Crdw 200A	318	45
SHERIDAN						
Apollo Drlg	6	dsl	1020	Olwl 76	1020	120
SUBLETTE						
Brinkerhoff-Signal	66	dsl	1300	G-D 1100	1500	180
Challenger Drlg	25	dsl	300	Nat T20	600	50
Exeter Drlg Northern	28	dsl	1200	G-D 800	1275	150
	31	dsl	1000	G-D 800	1650	150
Loffland Bros	325	dsl	2160	G-D 2100	2400	250
Manning, R L	26	g-b	1155	C-E GB800	1365	140
Roden Drlg, J B	3	dsl	1575	OIME 1500SL	1575	190
	7	dsl	350	BDW 450T	520	80
True Drlg	14	dsl	1200	Nat 50A	1200	120
Viersen & Cochran Drlg	9	dsl	2150	Nat 110	2400	200
SWEETWATER						
Dixilyn-Field Drlg	33	d-e	2000	Olwl 940E	3000	200
Exeter Drlg Northern	24	dsl	1000	G-D 800	1100	150
Manning, R L	20	dsl	1050	C-E J1000	1290	140
	7	g-b	750	C-E G500	750	85
Montgomery Drlg	32	d-e	2700	Nat 110UE	2000	180
Norton Drlg	6	dsl	750	Wils 75	900	130
Penrod Drlg	23	dsl	2800	Nat	1950	250
Rio Grande Drlg	28	dsl	1000	S/B N95	2300	180
Roden Drlg, J B	6	dsl	750	Nat CA75	750	130
Sabre Drlg	2	dsl	671	Wils Mogul 42	671	50
Shelby Drlg	51-E	d-e	1000	Idco 725ESCR	750	110
TETON						
Exeter Drlg Northern	11	dsl	700	G-D 700	1000	125
Loffland Bros	30	d-e	2160	MC 914EC	2200	200
Montgomery Drlg	44	dsl	2000	Olwl 96	1000	200
UINTA						
Anderson-Myers Drlg	12	dsl	1500	OIME 1500	1500	170
	14	dsl	1800	S/B N75A	1800	140
Apollo Drlg	16	dsl	1155	Nat 80B	1220	125
Brinkerhoff-Signal	26	dsl	1170	Nat 55	1170	105
	40	dsl	2400	Nat 130UE	3000	250
	6	dsl	1500	G-D 1100	1500	180
	7	dsl	1500	Nat 80B	1500	150
	73	dsl	1500	Nat 80B	1500	150
	86	dsl	1000	Nat 80B	1500	180
Burris Drlg	111	dsl	1500	G-D 1100	1500	200
Challenger Drlg	27	dsl	300	Nat T12	500	45
Exeter Drlg Northern	41	dsl	1000	G-D 700	1100	125
Forwest	1	d-e	2600	Idco E2100	1800	220
	2	d-e	2600	Idco E2100	1800	220
Grace-Bomac Drlg	29	dsl	2400	Nat 110M	2400	200
	90	d-e	2400	Nat 110UE	2000	200
Loffland Bros	214	dsl	1880	MC U40	1800	130
	8	dsl	2100	MC U814C	2400	200
Lord Drlg	1	dsl	2200	Olwl M860	1650	180
	2	dsl	2200	Olwl M860	1650	180
	3	dsl	2200	Olwl M860	1650	180
Manning, R L	14	dsl	1700	Nat 110	1500	180/ 5"
	21	dsl	1095	Nat 80B	1365	150
Montgomery Drlg	5	d-e	2700	Nat 1320UE	3645	250
Noble Drlg	E1101	dsl	2130	C-E A1100	2130	180
	132	d-e	3300	Nat 1320UE	3300	250
Parker Drlg	117	gas	2000	Nat 110	2000	220
	148	dsl	1000	OIME 750	1000	130
Pruet-Ram-Co	4	dsl	2000	C-E D3	2000	180
Rio Grande Drlg	27	dsl	750	S/B N75	1030	145
	3	dsl	1300	Nat 1320M	2300	250
	5	dsl	1300	Nat 110	2400	200
	6	d-e	1350	G-D 1500E	1195	250
Viersen & Cochran Drlg	14	dsl	2300	C-E 800A	1554	180
Westburne Drlg	66	dsl	1200	G-D 1100E	1500	180
WASHAKIE						
Anderson-Myers Drlg	15	dsl	1800	S/B N75A	1800	140
WESTON						
L & R Drlg	4	dsl	400	Cbot Rocket	195	30
	6	dsl	318	Cbot 50	318	15/ 3.5"
True Drlg	18	dsl	350	C-E GB250T	350	65

Drilling Contractors With Rotary Land Rigs In Canada

ADECO DRILLING & ENGR CO LTD 505 Second St SW Calgary Alberta T2P 1N8 Canada 403-266-6291
ARGUS DRILLING-DIV TARO INDS 1580-540 Fifth Ave SW Calgary Alberta T2P 0M3 Canada 403-264-3043
ARROWHEAD DRILLING LTD 710 999 Eighth St SW Calgary Alberta T2R 1J5 Canada 403-245-2817
ATCO DRILLING LTD MUSTANG DIV #700 800 Sixth Ave SW Calgary Alberta T2P 0T8 Canada 403-263-6520
BADGER DRILLING LTD 1180 700 Fourth Ave SW Calgary Alberta T2P 3J4 Canada 403-269-6534
BALTIC DRILLING LTD 910-255 Fifth Ave SW Calgary Alberta T2P 3G6 Canada 403-233-7733
PETER BAWDEN DRILLING LTD 2750 400 Fourth Ave SW Calgary Alberta T2P 0J4 Canada 403-265-1511
BEAVER DRILLING LTD 1117 Suncor Tower 500 Fourth Ave SW Calgary Alberta T2P 2V6 Canada 403-265-6472
BIRD DRILLING 304 Eighth Ave SW Ste 600 Calgary Alberta T2P 1C2 Canada 403-264-1512
BLOCKER CANADA LTD 11012 Macleod Trail S Ste 800 Calgary Alberta T2J 6A5 Canada 403-278-6050
BLOCKER DRILLING 800 Berring Dr Ste 400 Houston TX 77057 713-974-9100
BOW ISLAND DRILLING 700 800 Sixth Ave SW Calgary Alberta T2P 0T8 Canada 403-264-5413
BRELCO DRILLING LTD 505 Third St SW #1704 Calgary Alberta T2P 3E6 Canada 403-233-8300
CACTUS DRILLING LTD DIV OCELOT INDS PO Box 1508 500 622 Fifth Ave SW Calgary Alberta T2P 0M6 Canada 403-263-5670
CAN-TEX DRILLING & EXPL LTD 1520 Royal Bank Bldg 335 Eighth Ave SW Calgary Alberta T2P 1C9 Canada 403-265-6441
CANADIAN WORLDWIDE ENERGY LTD 500 Fifth Ave SW Chevron Plaza Ste 300 Calgary Alberta T2P 3L5 Canada 403-261-5661
CAPRI DRILLING LTD 650-255 Bow Valley Square 3 Fifth Ave SW Calgary Alberta T2P 3G9 Canada 403-261-5991
CENTENNIAL DRILLING LTD 1007-16th Ave NW Calgary Alberta T2M 0K7 Canada 403-282-9552, 9602
CHALLENGER DRILLING 401-1035 Seventh Ave SW Calgary Alberta T2P 3E9 Canada 403-269-3121
CORUNNA PETR LTD 264 Paget St PO Box 640 Corunna Ontario N0N 1G0 Canada 519-862-5505
CROWN DRILLING LTD PO Box 1390 Trans-Canada Hwy Virden Manitoba R0M 2C0 Canada 204-748-1714
ENSIGN DRILLING LTD PO Box 1160 5109-63 St Lloydminster Alberta S9V 1G1 Canada 403-875-4942
GARNETT DRILLING LTD 814-603 Seventh Ave SW Calgary Alberta T2P 2T5 Canada 403-262-7906
GUTHRIE McLAREN DRILLING LTD 1760 717 Seventh Ave SW Calgary Alberta Canada 403-455-3191
HI TOWER DRILLING Box 6650 Station D 321 Sixth Ave SW 18th Floor Calgary Alberta T2P 2V8 Canada 403-231-1211
JADE DRILLING LTD 5825 98th St Edmonton Alberta T6E 3L4 Canada 403-437-2830
JOMAX DRILLING LTD 1700 505 Third St SW Calgary Alberta T2P 3A8 Canada 403-265-5312
KCA DRILLING LTD KCA House 227 Shepherds Bush Rd London W6 7AS England 01-741-4811
KENTING DRILLING CO LTD #370 700 Sixth Ave SW Calgary Alberta T2P 0T8 Canada 403-263-2980
LEMKCO DRILLING CO LTD 6767 Golden West Ave Red Deer Alberta T4P 1A7 Canada 403-342-4200
LOFFLAND BROS CO PO Box 2847 Tulsa OK 74101 918-622-9330
MONTGOMERY DRILLING CANADA LTD 960-700 Fourth Ave SW Calgary Alberta T2P 3J4 Canada 403-290-1644
NABORS DRILLING LTD 324 Eighth Ave SW 1107 Home Oil Tower Ste 1107 TD Square Calgary Alberta T2P 2Z2 Canada 403-263-6610
PAN ARCTIC DRILLING PO Box 487 Nisku Alberta T0C 2G0 Canada 403-955-7944
PARKER DRILLING CO 8 E Third St Tulsa OK 74103 918-585-8221
PHELPS DRILLING CO LTD #500 11012 Macleod Trail S Calgary Alberta T2J 6A5 Canada
PRECISION DRILLING LTD Ste 1010 500 Fourth Ave SW Calgary Alberta T2P 2V6 Canada 403-264-4882
RED ARROW DRILLING LTD 520 304 Eighth Ave SW Calgary Alberta T2P 1C2 Canada 403-264-0695
REGENT DRILLING LTD 12912 125th Ave Edmonton Alberta T5L 3C1 Canada 403-455-2121
ROCKY MOUNTAIN DRILLING LTD 10333 Southport Rd SW #415 Calgary Alberta T2W 3X6 Canada 403-259-6767
S & T DRILLING LTD PO Box 4890 Edmonton Alberta T6E 5G7 Canada 403-955-7011
SEDCO DRILLING DIV BOW VALLEY RESOURCE SERVICES LTD Box 6680 Postal Sta D 1600 321 Sixth Ave SW Calgary Alberta T2P 2V8 Canada 403-231-1161
SHELBY DRILLING LTD 4A 2016-25th Ave NE Calgary Alberta T2E 6Z4 Canada 403-230-3655
SIMMONS DRILLING LTD 600-1177 11th Ave SW Calgary Alberta T2R 1K9 Canada 403-244-5340
SPARTAN DRILLING LTD #236-6715 8th St NE Calgary Alberta T2E 7H7 Canada 403-275-7160
THREE HUNDRED DRILLING LTD 500 1121 Centre St N Calgary Alberta T2E 7K6 Canada 403-230-5565
TRI-CITY DRILLING LTD 14305 120th Ave Edmonton Alberta T5L 2R8 Canada 403-453-3771
UNDERWATER GAS DEVELOPERS LTD PO Box 428 Port Colborne Ontario L3K 1B7 Canada 416-894-1731
WESTBURNE DRILLING CANADA LTD 200 535 Seventh Ave SW Calgary Alberta T2P 0Y4 Canada 403-266-8701

Canadian Contract Rotary Land Drilling Rigs

ALBERTA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Argus Drlg Div Taro Inds	1	dsl	320	Nat T32	327	70
	2	dsl	320	C-E 250T	327	65
	3	dsl	320	MC U34	319	60
	4	dsl	320	MC U34	319	60
	5	dsl	1100	Oilwl 76	1326	118
	7	dsl	320	Nat T32	327	80
Atco Drlg Mustang Div	31	dsl	815	S/B N45	720	85
	35	dsl	820	Nat T45	820	90
	38	dsl	300	Idco H30AD	300	55
	39	dsl	300	Nat T20	300	60
	40	dsl	700	S/B N45	650	85
	41	dsl	300	Idco H30F	350	60
	42	dsl	650	Idco H35	700	75
	45	d-e	1600	Nat 610E	750	120
	50	dsl	300	Idco H30F	350	60
	53	dsl	735	Nat T45	650	90
	54	dsl	715	Idco H35D	650	75
	55	dsl	500	Idco H35	385	65
Baltic Drlg	34	dsl	800	C-E GC350	550	85
Bawden Drlg, Peter	12	mch	1700	C-E D3	1000	160
	23	mch	1850	Oilwl 860	1400	160
Beaver Drlg	1	dsl	300	Nat T32	300	70
	2	dsl	300	Nat T20	300	60
	3	dsl	300	Nat T20	300	60
	4	dsl	300	Nat T32	300	70
	5	dsl	300	Nat T32	300	75
	6	dsl	300	Nat 370	550	85
	7	dsl	550	Nat 370	550	95
	8	dsl	300	Nat T32	300	70
	9	dsl	550	Nat 370	550	95
Blocker Drlg	56					160
	57					140
	58					140
	60					100
Blocker Drlg Canada	10	dsl	770	OIME SD3	770	100
	6					
	7	dsl	770	OIME 750SL	1155	140
	9	dsl	770	OIME 750SL	1155	140
Bow Island Drlg	10	dsl	278	W-N 2000	175	30
	3	dsl	278	W-N 2000	175	30
	4	dsl	278	W-N 2000	175	30
	6	dsl	278	W-N 2000	175	30
	7	dsl	278	W-N 2000	175	30
	8	dsl	278	W-N 2000	175	30
	9	dsl	278	W-N 2000	175	30
Brelco Drlg	1	dsl	800	Oilwl 700	900	120
	2	dsl	800	Oilwl 700	900	120
	3	dsl	600	Oilwl 500	750	90
	4	dsl	600	Oilwl 500	750	90
	5	dsl	600	Oilwl 500	750	90
	6	dsl	600	Oilwl 500	750	90
	7	dsl	800	Oilwl 700	900	120
Cactus Drlg	1	dsl	750	S/B N55	750	85
	10	dsl		Nat T32	700	78
	11	dsl	350	MC U34	350	65
	14	dsl	750	C-E GB500	750	80
	15	dsl	750	C-E GC350	750	65
	16	dsl	500	MAC 300	500	65
	17	dsl	500	MAC 300	500	65
	18	dsl	500	MAC 300	500	65
	19	dsl	500	MAC 300	500	65
	2	dsl	940	Nat 55	940	115
	20	dsl	1200	C-E D2	1200	140
	24	dsl	300	Beth S55	300	60
	25	d-e	3400	C-E C2	2000	200
	25	d-e	2700	C-E D3	800	180
	28	dsl	1200	S/B N75	1200	125
	3	dsl	350	MC U34	350	65
	4	dsl	350	MC U34	350	65
	5	dsl	1554	Idco Super 711	1554	150
	6	dsl	900	Cntw AO	900	95
	7	dsl	700	C-E GB350	700	85

ALBERTA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED (Cont'd)						
Cactus Drlg	8	del	350	MC U34	350	65
	9	del	350	MC U34	350	65
Can-Tex Drlg & Expl	10	del	800	Nat 370	450	80
	5	del	1200	C-E GB800	1200	120
	6	del	1400	C-E GB80083	1275	140
	7	del	1000	C-E D2	800	120
	8	del	820	Olwl 66	820	90
Capri Drlg	1	del	500	Idco H30D	350	60
	2	del	450	Idco H25	350	60
	3	del	450	Idco H25D	350	60
	4	del	450	Nat T12	300	40
	5	del	700	Nat T32	700	85
	6	del	900	Nat 50A	1350	100
	7	del	450	TSM-3000	300	25
Centennial Drlg	1	del	380	Nat T12	350	45
	2	del	380	C-E 250GA	350	60
	3	del	480	Nat T32	650	85
Challenger Drlg-Calgary	J88E	d-e	2400	Nat 80UE	2800	150
	10-E	d-e	2800	MC U1220EB	2800	220/ 5"
	11	del	350	Nat T20	456	57
	2	del	650	Nat T45	608	90
	38	del	350	Nat T20	456	5,750
	4-E	d-e	1170	Nat T45	1005	90
	44	del	1300	Nat 80B	1950	150
	5-E	d-e	1220	Nat 55	1830	125
	50	del	2000	Nat 110	2385	180
	51	del	1630	Nat 110	1880	180
	55	del	1180	Nat 100HD	1470	165
	8-E	d-e	1500	Nat 80E	2250	145
Garnett Drlg	10	del	1400	Nat 610	900	115
	3	del	900	Crdw J700	900	120
	5	del	900	S/B N55	900	100
	6	del	1100	MC	900	120
	7	del	1600	Nat 610	1200	120
	8	del	300	Olwl 52T	400	60
	9	del	1200	S/B N7	900	110
Jade Drlg	1	del	450	Wils Super 38	300	35
	3	del	550	Idco H25	380	75
	4	del	625	Idco H25	430	75
	5	del	500	Idco H30	430	75
Jomax Drlg	1	del	800	Olwl 52T	455	26
	2	del	800	Olwl 52T	455	26
	3	del	800	Olwl 52T	455	26
	4	del	1200	Olwl 76A	1275	43
	5	del	875	Nat 50A	875	105
	6	d-e	2400	Olwl 780	1600	50
	7	d-e	2400	Olwl 780	1600	50
KCA Drlg	C1	del	1200	Nat 55	612	100
Lemkco Drlg	2	del	800	OIME 500SL	800	100
Loffland Bros	171	d-e	2132	MC U914B	1700	180
	198	del	1400	MC U914A	1580	180
	36	del	2000	MC U914C	2880	200
	72	del	1700	MC U914	2880	200
	9	d-e	2000	MC U914	1980	200
	93	d-e	2100	MC U1220EB	2400	250
Montgomery Drlg Canada	42	d-e	2000	Nat 110UE	2000	200
	46	d-e	2000	Nat 1320UE	2000	200
	49	d-e	2000	Nat 110E	2000	200
Parker Drlg	98	del	1500	Nat 100	1000	170
Phelps Drlg	18	del	500	TSM 6000	450	75
	19	del	500	TSM 6000	450	75
Precision Drlg	6	del	350	Idco H30	350	65
Red Arrow Drlg	1	del	225	Nat T20	275	60
	10	del	225	RAD 200	275	18
	3	del	225	Nat T20	275	60
	4	del	225	RAD 200	275	60
	5	del	225	Nat T20	275	60
	6	del	225	RAD 200	275	60
	7	del	225	RAD 200	275	60
	8	del	225	RAD 200	275	60
	9	del	225	RAD 200	275	60
Regent Drlg	1	del	675	Idco H40	330	75
	10	del	830	S/B N4	900	95
	11	del	2200	Olwl 840-E	2582	200
	12-E	del	2200	G-D 1500	2582	200
	14-E	del	2800	Olwl 840E	1800	200
	15-E	del	2700	G-D 1500	2000	210
	16-E	del	2700	G-D 800E	1000	140
	17-E	del	2700	G-D	1000	140
	21	del	2200	Olwl M2000	2582	200
	22	del	830	MC U36A	580	85
	23	del	800	S/B N4	820	95
	24	del	800	S/B N4	900	95
	25	del	1400	S/B N45	1400	140
	28	del	1400	S/B N45	1400	140
	29	del	350	S/B N4	385	80
	4	del	840	S/B N4	900	95
	5	del	840	S/B N4	820	95
	8	del	1600	G-D 1100	2100	150
	9	del	1400	S/B N46	1400	140
S & T Drlg	7	del	1150	Nat T45	800	95
Sabre Inc	1	del	671	MC U34	671	65
Sedco Drlg	71	del	350	Sup 400	456	60
	77	del	375	Sup 400	456	60
	79	del	318	G-D 3000	318	40
	80	del	375	Shaf 6000	456	60
	81	del	375	Sup 400	318	60
	82		375	Sup 300	318	45
	83	del	350	Crdw 190A	318	42
	84	del	320	Sup 300	318	45
	85		300	Sup 300	318	45
	86	del	175	Kremco K600D	450	50
	88	del	350	Crdw S350	350	55
	89	del	350	Idco H30D	318	50
	91	del	330	C-E GB250	456	65
	92	del	350	Sup 400	456	50
	93-E	d-e	375	Sup 400	210	65
	95	del	300	Sup 400	456	60
	96	del	300	Idco H25	318	45
	97	del	300	Nat T32	456	60
	98	del	350	C-E GA250	456	65
Shelby Drlg	1	del		Coop 300DD		50
	2	del		Coop 300DD		50
	3	del	319	Cbot 1287	475	65
	8	del	1200	OIME 750SL	1200	140
Simmons Drlg	11	del	350	Hycalog HH6000	350	68
	12	d-e	1200	G-D 500-E	700	90
	19	del	575	Troy M600	535	75
	8	del	450	Troy 600	700	100
Spartan Drlg	1			Sup 300		60
	10			C-E E	1000	240
	13			Sup 300		60
	2			Sup 700E	700	100
	20			Olwl 500E	900	90
	21			Shaf 6000		65
	22			Nat 370		90
	23			Sup 300		
	3			Sup 400E	700	75
	44			Nat T8		
	5			Sup 300		35
Three Hundred Drlg	Mr Digger	del	900	Nat 370M	900	95
	Mr Gary	del	1200	Sup 700	785	95
	Mr Jim	del	1200	Nat 370M	900	95
	Mr Nick	del	1200	Sup 700	785	95
Tri-City Drlg	1	del	250	Fall 2500	200	30
	10	del	300	Sup 300	300	45
	2	del	300	MC U34	3000	60
	3	del	250	Fall 2500	200	30
	4	del	300	Fall Stratmaster 90	280	50
	5	del	250	Fall 2500	210	30
	6	del	250	Fall 2500	210	30
	7	del	250	Fall 2500	210	30
	[illegible]	del	300	Fall 3500	280	35
	9	del	300	Sup 300	300	45
ALDERSYDE						
Arrowhead Drlg	C-9	del	1040	Nat 610	1040	120
ATHABASCA						
Westburne Drlg Canada	33	del	310	Fall 3500	180	35
BAY TREE						
Badger Drlg	4	del	400	Sup 400	400	55
BEATON						
Hi Tower Drlg	10	del	1150	Olwl 76	1220	100
BEAVERLODGE						
Nabors Drlg	23-E	d-e	1600	C-E D2	1800	140
BIG VALLEY						
S & T Drlg	2	del	350	Nat T32	350	70
	9	del	800	Nat 370	800	85
BONANZA						
Guthrie McLaren Drlg	1	del	300	Olwl 52T	400	70
BONNYVILLE						
Canadian Worldwide Energy	1	del	456	Fall 2500	304	30
BOUNDARY LAKE						
Kenting Drlg	15	del	720	Nat 370	720	90
BRETON						
Westburne Drlg Canada	24	del	380	Nat T32	380	70
BROOKS						
Guthrie McLaren Drlg	7	del	300	Nat T32	300	70/ 3.5"
Precision Drlg	1	del	350	Idco H30FD Super	350	65
	8	del	350	Idco H30D	350	65
BUCK LAKE						
Precision Drlg	7	del	350	Idco H30D	400	80
BYEMOOR						
Precision Drlg	9	del	350	Idco H30D	350	75
CADOTTE						
Adeco Drlg & Engr	14	del	312	Nat T32	320	70
CAROLINE						
Guthrie McLaren Drlg	3	del	680	Nat 50CA	600	100
CARSTAIRS						
Westburne Drlg Canada	10	del	1275	Nat 80	1275	130
	42	del	380	Nat T20	380	55
CLEAR PRAIRIE						
Hi Tower Drlg	21E	d-e	3200	C-E D3	1000	180
CROSSFIELD						
Rocky Mountain Drlg	3	del	1650	Nat 80	1650	150
CUTOFF CREEK						
Adeco Drlg & Engr	8	del	1500	Nat 100M	2340	180
CYNTHIA						
Bawden Drlg, Peter	16	mch	1800	C-E D3	1000	120
Nabors Drlg	18	del	2000	C-E A800	1740	180
S & T Drlg	1					
DEBOLT						
Nabors Drlg	21-E	d-e	3200	C-E IIC	3800	200
DRAYTON VALLEY						
Hi Tower Drlg	1	d-e	3800	Nat 1320UE	2000	200
Precision Drlg	10	del	350	Idco H35D	350	72
	4	del	350	Idco H30D	350	72
	5	del	350	Idco H525D	350	75
ECKVILLE						
Hi Tower Drlg	3	del	900	Olwl 66	1020	100
EDMONTON						
Guthrie McLaren Drlg	6	del	300	Fall 2000A	225	30
Westburne Drlg Canada	37	del	380	G-D 2800	170	35
EDSON						
Arrowhead Drlg	C-5	del	1560	Nat 80B	1560	150
Hi Tower Drlg	11	del	350	Sup 400	540	65
	7	del	1000	Olwl 66	1100	100
Nabors Drlg	4	del	2000	Olwl 76	1740	140
FORT McLEOD						
Arrowhead Drlg	C-8	del	1040	Nat 610	1040	120
FORT SASKATCHEWAN						
Hi Tower Drlg	18	d-e	1800	Olwl 780	1300	150
Nabors Drlg	5	del	700	Olwl 76	1320	120
FOX CREEK						
Guthrie McLaren Drlg	9	del	1940	OIME 1500	1940	180
Kenting Drlg	4	del	720	610	720	115
Nabors Drlg	24-E	d-e	2000	C-E Electrohoist 2C	2925	140
GARRINGTON						
Adeco Drlg & Engr	15	del	385	Nat T45	575	105
	16	del	308	Nat T32M	320	25
	3	del	308	Nat T32	320	70
Bawden Drlg, Peter	17	mch	1100	G-D 500	500	90
GORDEN						
S & T Drlg	10	del	350	MC U34	350	80
GRANDE PRAIRIE						
Arrowhead Drlg	C-10	del	1580	Nat 80B	1580	150
Kenting Drlg	24	del	350	Nat 370	350	90
	10	del	720	Olwl 66	720	100
Nabors Drlg	19-E	d-e	2000	C-E CI	3800	200
Westburne Drlg Canada	4	del	1040	C-E GC500	1040	110
GRIMSHAW						
Westburne Drlg Canada	28	del	980	Nat 55	980	110
HARMATTAN						
Arrowhead Drlg	C-2	del	770	Nat 370	770	90
	C-4	del	1040	Nat 610	1040	120
Kenting Drlg	29	del	1040	Nat 610	1040	120
	3	del	1160	C-E GC500	1000	120
HIGH PRAIRIE						
Guthrie McLaren Drlg	2	del	300	S/B N4	300	65/ 3.5"
Westburne Drlg Canada	8	del	380	Idco H40D	380	70
HIGH RIVER						
Arrowhead Drlg	C-1	del	1040	Nat 610	1040	120
LAC LA BICHE						
Westburne Drlg Canada	39	del	310	Fall 3500	335	35

ALBERTA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
LAMONT						
Badger Drlg	1	dsl	300	Idco H30	250	50
LEDUC						
Precision Drlg	11	dsl	350	Idco H40PD	350	72
S & T Drlg	4	dsl	700	Nat 50CA	400	80
LLOYDMINSTER						
Westburne Drlg Canada	32	dsl	300	Fall 2500	210	30
LODGEPOLE						
Precision Drlg	15	dsl	350	Idco H30FD	350	75
LUBICON						
Kenting Drlg	5	dsl	350	Sup 400	350	75
MEDICINE HAT						
Westburne Drlg Canada	40	dsl	310	Fall 2500	175	30
MITSUE						
Rocky Mountain Drlg	2	dsl	1150	G-D 500	700	85
Westburne Drlg Canada	12	dsl	600	C-E GA350	600	80
	26	dsl	380	Nat T32	380	70
NISKU						
Kenting Drlg	32-E	d-e	3720	Nat 110UE	2000	180
	39-E	d-e	3000	Nat 1320UE	2000	200
NITON JUNCTION						
Precision Drlg	14	dsl	350	Idco H40	500	75
OLDS						
S & T Drlg	3	dsl	1200	Nat 55	1200	115
	6					
PEACE RIVER						
Bawden Drlg, Peter	20	mch	1000	G-D 500	500	90
Guthrie McLaren Drlg	4	dsl	375	Draco D500	450	70
	5	dsl	750	Nat 50CA	400	85
Kenting Drlg	37	dsl	350	Sup 400	700	75
PEMBINA						
Adeco Drlg & Engr	2	dsl	380	OIME SD3	365	85
PIGEON LAKE						
Guthrie McLaren Drlg	12	dsl	325	Sup S400	300	62
PINCHER CREEK						
Bawden Drlg, Peter	25	d-s	2000	C E C1 Type II	1500	180
PROVOST						
Precision Drlg	3	dsl	350	Idco H30 Super 2FD	350	65
RIMBEY						
Arrowhead Drlg	C-6	dsl	770	Nat 370	770	90
Kenting Drlg	9	dsl	720	Nat T32	720	75
Precision Drlg	12	dsl	500	Idco H30D	350	75
ROCKY MOUNTAIN HOUSE						
Arrowhead Drlg	C-11	dsl	1560	Nat 80B	1560	150
	C-7	dsl	1040	Nat 610	1040	120
Guthrie McLaren Drlg	11	dsl	450	Sup 500	450	70
SASKATCHEWANBATTRUM						
Westburne Drlg Canada	50	dsl	240	Fall 2500	100	30
SIMONETTE						
Kenting Drlg	22-E	d-e	2000	Nat 80UE	1000	130
SLAVE L						
Adeco Drlg & Engr	16	dsl	308	Nat T32	312	70
SMOKEY						
Hi Tower Drlg	20	d-e	1600	Olwl 760	1000	150
SPIRIT RIVER						
S & T Drlg	5	dsl	1150	Nat 50A	800	95
ST PAUL						
Ensign Drlg	2	dsl	440	C-E	440	19
Guthrie McLaren Drlg	8	dsl	300	Fall 2500A	225	30
STURGEON LAKE						
Nabors Drlg	15	dsl	1200	C-E A550	884	110
SUFFIELD						
Westburne Drlg Canada	35	dsl	310	Fall 2500	180	30
SUNDRE						
Blocker Drlg Canada	6	dsl	1000	OIME 1000SL	1500	160
SWAN HILLS						
Kenting Drlg	33-E	d-e	2000	Nat 610E	1000	115
SYLVAN LAKE						
Badger Drlg	2	dsl	400	Nat 370	500	72
TEES						
Precision Drlg	16	dsl	700	C-E PD650	650	100
THORSBY						
Badger Drlg	90	dsl	515	Sup 300	515	60
TINDISTOLL						
Adeco Drlg & Engr	1	dsl	308	Nat T20	320	17
TORRINGTON						
Badger Drlg	6	dsl	400	Nat 370	500	75
TURNER VALLEY						
Kenting Drlg	27	dsl	1040	Nat 610	1040	120
UTIKIMA						
Adeco Drlg & Engr	16	dsl	700	OIME Hellhoist 500C	1370	23
Westburne Drlg Canada	15	dsl	900	S/B N4	600	85
VALHALLA						
Adeco Drlg & Engr	12	dsl	312	Nat T32	320	70
VALLEY VIEW						
Rocky Mountain Drlg	4	dsl	1050	Unit U36A	1050	100
VERMILION RIVER						
Ensign Drlg	1	dsl	440	Cbot 42	290	110
WEMBLEY						
Hi Tower Drlg	2	dsl	780	Olwl 66	800	95
WORSLEY						
Westburne Drlg Canada	14	dsl	1080	Nat 50A	1080	95
ZAMA						
Guthrie McLaren Drlg	10	dsl	300	Sup D500	450	70
Hi Tower Drlg	17	dsl	560	Nat 50A	340	70
	19	dsl	620	Olwl 52T	545	70
Kenting Drlg	18	dsl	800	Nat 50A	800	95/ 5"
	28	dsl	700	Nat 370	700	90
Rocky Mountain Drlg	1	dsl	650	Nat 370	650	85
Westburne Drlg Canada	17	dsl	1080	C-E GB350	720	80

BRITISH COLUMBIA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Baltic Drlg	12	dsl	525	Nat T32	326	75
	14	dsl	800	Nat 50AM	550	95
	2	dsl	1600	Nat 80B	1650	150
	24	dsl	300	Nat T20	326	65
	3	dsl	1000	Sup 700	600	95
Challenger Drlg-Calgary	15	dsl	800	Idco Sup 711	1300	125
Loffland Bros	3	dsl	1850	MC U814A	2880	180
Parker Drlg	94	dsl	1700	Nat 100M	1000	180
Regent Drlg	2	dsl	840	S/B N55	820	95
	26	dsl	840	Idco H[illegible]	330	75
	3	dsl	840	S/B N4	900	95
ARRAS						
Nabors Drlg	3	dsl	1700	Olwl 76	1326	140
CARBON						
Adeco Drlg & Engr	6	dsl	1500	Nat 100M	2340	180
DAWSON CREEK						
Bawden Drlg, Peter	1	mch	1000	C-E GB500	500	85
Nabors Drlg	9	dsl	2000	Nat 110	2250	180
FORT NELSON						
Hi Tower Drlg	4	d-e	3200	Olwl E2000	2000	250
Kenting Drlg	7	dsl	720	C-E GC500	720	105
FORT ST JOHN						
Bawden Drlg, Peter	8	d-e	2200	Olwl 860	1400	200
Hi Tower Drlg	12	dsl	280	Nat T32	335	65
	14	dsl	280	Olwl 52T	350	65
PEMBERTON						
Westburne Drlg Canada	1	dsl	1560	Nat 80B	1560	130

BRITISH COLUMBIA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
SIKANNI						
Westburne Drlg Canada	22	dsl	1010	Nat 50A	700	85
WONOWON						
Nabors Drlg	6	dsl	300	Idco H35	300	60

MANITOBA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Red Arrow Drlg	11	dsl	225	RAD 200	275	60
	12	dsl	225	RAD 200	275	18
	2	dsl	225	Nat T12	275	50
KIRKELLA						
Crown Drlg	2	dsl	784	S-H 5000	476	50
WASKADA						
Crown Drlg	4	dsl	714	MC U34	382	60

NORTHWEST TERRITORIES

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Pan Arctic Drlg	A	d-s	1600	OIME 1000E	1000	120
	B	d-s	1000	Nat 80E	800	120
	C	d-s	1600	OIME 1000E	1000	120
Parker Drlg	98-HH/6	dsl	1500	OIME Hellhoist 1500	1500	170
Three Hundred Drlg	Ben	dsl	900	Nat 370M	800	95
NORMAN WELLS						
Kenting Drlg	33-E	d-e	1000	Sup 700E	700	90
RAE POINT						
Adeco Drlg & Engr	4	dsl	1380	OIME Hellhoist 1500	2800	170

ONTARIO

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Underwater Gas Dev	2	dsl	200	I-R T5	350	50
	6	dsl	200	I-R T5	350	50
LAMBTON						
Corunna Petr	2	dsl	475	Idco 525	636	85
	3	dsl	950	Hoop GJOITA	700	55

QUEBEC

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
UNDESIGNATED						
Regent Drlg	6	dsl	1400	S/B N45	1400	140

SASKATCHEWAN

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Atco Drlg Mustang Div	33	dsl	300	Nat T20	300	55
	34	dsl	300	Nat T20	350	55
	51	dsl	300	Idco H25	350	60
Baltic Drlg	25	dsl	475	Nat T20	326	65
Bird Drlg	2	dsl	455	Nat 370	500	80
	5	dsl	615	Nat 370	800	95
Bow Island Drlg	1	dsl	278	W-N 2000	175	30
	11	d-e	300	W-N	300	50
	17	dsl	278	Nat T12	278	50
	18	dsl	278	Nat T12	278	50
	2	dsl	278	W-N 2000	175	30
	5	dsl	3000	W-N 2000	175	30
Jade Drlg	2	dsl	400	Wils Super 38	300	35
Phelps Drlg	20	dsl	326	TSM 6000	450	75
Sedco Drlg	87	dsl	300	Crdw L	318	40
	90	dsl	350	MC U34D	456	55
	94	dsl	300	Crdw L	210	40
	98	dsl	350	Nat T20	456	60
Simmons Drlg	14	dsl	575	Troy M800	535	75
	15	dsl	350	MC U34	350	600
	2	dsl	350	Olwl 52T	350	68
	4	dsl	350	Olwl 52T	350	66
BEVERLEY						
Westburne Drlg Canada	34	dsl	380	Idco HD25	380	45
DODSLAND						
Westburne Drlg Canada	31	dsl	180	Fall 2500	275	30
KINDERSLEY						
Precision Drlg	2	dsl	350	Idco H20AD	350	45
MAJOR						
Westburne Drlg Canada	38	dsl	310	Fall 2500	180	30

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International Contract Rotary Land Drilling Rigs

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
AFRICA						
ALGERIA						
SAIPEM	5801	d-e	3200	Nat 110DE	1500	200
	5802	d-e	3200	Nat 110DE	1500	200
	5803	d-e	3200	Nat 110DE	1500	200
	5804	d-e	3200	Nat 110DE	1500	200
	5805	d-e	3200	Nat 110DE	1500	200
CONGO						
Sonpetrol	E-5	del	2200	C-E J1100	1300	140
	GC-1	del	1700	C-E GC500	800	100
EGYPT						
Challenger Ltd	18	del	900	Cbot 100	500	120
Forex Neptune and/or Affil	22	d-e	3200	G-D 2100	2000	254
	33	d-e	3200	G-D 1100	1500	180
	7	del	3200	Nat 110	1600	190
Geoprosco Intl	41	del	2200	Idco H900	1100	100
Santa Fe Drlg	102	d-e	2400	Nat 110UE	1500	160
	64	del	1600	Nat 110	1600	160
	69	d-e	2800	Nat 1320DE	3400	200
	73	del	2000	Nat 110	1600	160
	75	del	2000	Nat 1320M	1600	200
	92	d-e	2800	Nat 1320UE	1400	200
	94	d-e	2250	Nat 110UE	2000	160
	97	d-e	2800	Oilwl E2000	2000	200
SAIPEM	5803	d-e	3200	Nat 110DE	1500	200
GABON						
Forex Neptune and/or Affil	27	del	2600	Idco Super 711	1200	180
LIBYA						
Arab Drlg & Workover	ADWOC-2	d-e	2800	C-E C111	1500	200
	ADWOC3	d-e	2800	C-E C111	1500	200
AFRICA (Cont'd)						
LIBYA (Cont'd)						
Arab Drlg & Workover	118	del	1250	Idco H525	700	90
	37	del	1550	Nat 80B	1800	120
	53	del	1250	Idco H525	700	90
	54	del	1400	Nat 80B	1800	120
Challenger Ltd	19	del	1300	Nat 80B	1950	150
Deutsche Tiefbohr	T-16	del	2000	C-E A800	1000	120
	T-26	del	2100	Idco Super 711	1500	180
	T-90	del		H-L 6206	400	
	T-91	del		H-L 6205	130	
Forex Neptune and/or Affil	13	del	2500	Idco Super 711	1200	180
	2	del	2600	Idco Super 711	1600	180
	36	d-e	3200	G-D 1110E	1600	180
	41	del	1300	Idco H525	640	90
	42	del	2000	Nat 80UE	1000	157
	43	d-e	2000	Nat 80UE	1000	157
	44	del	3200	Idco Super 711	1600	180
KCA Drlg	100	del	750	Crdw KM250	375	80
	101	del	375	Cbot 1058	375	120
	102	del	375	Cbot 1058	375	120
	103	del	375	Cbot 1058	375	120
	83	del	2000	MC U36EA	1000	100
Oil Drlg & Expl	7	del	2000	Idco Super 711	2000	170
	9	del	2000	Idco Super 711	2000	170
Santa Fe Drlg	ADWOC 1	d-e	2800	C-E C111	1500	200
NIGERIA						
Forex Neptune and/or Affil	1	del	2600	Idco Super 711	1200	180
AFRICA (Cont'd)						
NIGERIA (Cont'd)						
Forex Neptune and/or Affil	10	del	2600	Nat 110	1600	190
	11	d-e	3200	Nat 110UE	1500	190
	23	d-e	3200	G-D 2100RE	3000	254
	24	d-e	3200	G-D 2100RE	3000	254
	25	d-e	3200	G-D 2100RE	3000	254
	26	del	2800	Idco Super 711	1200	180
	4	del	550	Idco H525	500	90
	49	d-e	3200	G-D 1100E	1500	180
	5	del	2800	Nat 1105	1600	190
	9	del	2850	Nat 110	1600	190
SAIPEM	5838	del	2500	Idco H1700	1590	165
	5847	del	2130	Idco H1700	1375	165
	5850	del	1135	Idco H40	432	48
	5860	del	2500	Idco H1700	1590	165
SOMALIA						
Parker Drlg	143	del	2000	Nat 110	3300	200
SUDAN						
Parker Drlg	105-HH/2	del	1200	OIME	1275	142
	118-HH/ 10	del	1950	OIME	1700	180
	105-HH/ 42	del	2000	OIME TBA2000	2000	200
TUNISIA						
Blocker Drlg-Alice	10	del	825	Idco Hydrair H37ESC	434	75
	18	del	1475	Cbot 2346	850	100
Blocker Drlg-Houston	47					200
Forex Neptune and/or Affil	36	d-e	3200	G-D	1600	180
SAIPEM	5842	del	2250	Idco H1700	1740	165
	5846	del	2250	Idco H1700	1740	165

AFRICA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
ZAIRE						
Von Rautenkranz Hermann	ITAG-102	del	900	Wils Mogul 42		100

ASIA PACIFIC

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
AUSTRALIA						
Oil Drlg & Expl	12	del	1500	Idco H725	750	100
	15	del	2000	Idco H1700	2000	170
	16	del	1600	Idco 1200	1600	140
	5	del	1100	Idco Super 711	1100	130
	6	del	1200	Nat 55	850	100
	8	del	350	Idco H35	500	45
Richter Drlg Pty	11	del		Coop 750	375	100
	14	d-e	2000	Nat 80UE	1000	120
	16	del	275	S/B RR550	450	65
	2	del	1600	Nat 55	900	100
	4	del	800	Nat T32	300	60
	5	del		Coop 750		100
	9	del	2000	Nat 80B	1000	120
Simmons Drlg	SC#1	del	350	Hycalog HH6000	350	68
BRUNEI						
Deutsche Tiefbohr	T-41	del	1800	Wils 780	780	80
INDONESIA						
Bawden Drlg Intl	28	del	925	C-E GB350	350	72
	29	d-e	1400	Nat 80E	1000	120
	51	del	1200	Sup 700	700	100
	6	del	1000	Nat T45	550	75
Deutsche Tiefbohr	T-31	del	1000	Wils 780	910	80
Houlder Marine Drlg	1	d-e	1600	Nat 80UE	1000	120
Loffland Bros	139	del	1400	MC U36	900	100
	300	del	600	MC U34	500	40
	56	del	900	MC U36A	900	100
Parker Drlg	106-HH/3	del	1600	OIME	1275	140
	115-HH/8	del	1200	OIME	1700	180
	125-HH/13	del	1200	OIME	1700	180
	130-HH/18	del	1500	OIME TBA2000	1700	200
	140-HH/26	del	1500	OIME TBA2000	1700	200
	146-HH/32	del	1500	OIME TBA2000	1700	200
	156-HH/36	del	1500	OIME TBA2000	1700	250
	160	del	1500	OIME TBA2000	1700	200
	186-HH/38	del	2000	OIME TBA2400	2000	240
	190-HH/30	del	1500	OIME TBA2000	1700	200
PT Malhabor Indonesia	MBI 1	del	600	Nat 610	750	120
PT Meta Epsi Drlg	1	del	1000	Nat 610	850	120
	2	d-e	1050	HS1500E	1500	150
	3	d-e	1050	HS1500E	1500	150
	4	d-e	2600	S/B NE95A	1800	200
Richter Drlg Pty	7	del	1800	Nat 610	750	100
NEW ZEALAND						
Oil Drlg & Expl	17	d-e	2800	Idco E2100	2800	210
PAKISTAN						
Challenger Ltd	81E	del	2800	G-D 1100E	1500	200
Deutsche Tiefbohr	T-10	del	2700	Nat 110H	1500	180
	T-35	del	1800	Coop LTO750	750	100
Little-Deutag	T-35	del	1800	Coop LTO750	750	100
Parker Drlg	126-HH/14	del	1500	OIME TBA2000	1700	200
PHILIPPINES						
Richter Drlg Pty	6	del	1350	Nat 100	1000	140
	8	del	1400	Nat 110M	1100	150
SINGAPORE						
Bawden Drlg Intl	9	d-e	3200	Nat 1320UE	2000	220
Forex Neptune and/or Affl	45	d-e	1960	Wils EH120	1100	180
THAILAND						
Deutsche Tiefbohr	T-46	d-e	2600	C-E C2	2000	200
	T-48	d-e	2600	C-E A800	1000	160

ASIA PACIFIC (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
THAILAND (Cont'd)						
Parker Drlg	194-HH/41	del	2000	OIME TBA2000	2000	200
	200-HH/44	del	2000	OIME TBA2000	2000	200
Sedco Inc	91	d-e	3400	Nat 110UE	2000	160

CENTRAL AMERICA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
BELIZE						
Hughes Drlg	8	del	550	Idco H35	400	62
GUATEMALA						
Forex Neptune and/or Affl	30	d-e	3200	G-D	2000	217
	39	del	1300	Idco H525	500	90
Helmerich & Payne (Guatemala)	16	d-e	2600	HS1500	1500	180
	45	d-e	3000	Nat 1320UE	2000	250

EUROPE

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
AUSTRIA						
Preussag Aktiengesellschaft	GH35	del	2000	DeMag GH35	1500	165
DENMARK						
Kenting Drlg Serv	21	d-e	1000	Nat 80UE	1000	140/5"
FRANCE						
COSIFOR	E-350	del	1500	C-E 350	550	90
	G10E	d-e	1800	Nat 610E	800	120
	N-110	del	2500	Nat 110	1500	180
Forex Neptune and/or Affl	14	del	1600	C-E GC500	500	108
	16	d-e	2900	C-E 1100DE	1500	180
	17	del	2000	C-E A800	800	120
	18	del	900	Idco H40	500	90
	19	del	1650	Nat 55	780	108
	28	del	1200	Idco H25	250	44
	29	del	450	Nat 55	700	108
	3	del	1250	Idco H525	700	90
	31	del	3200	Idco Super 711	1200	180
GREECE						
SAIPEM	5889	del	3200	Idco E3000	3000	300
ICELAND						
Orkustofnun State Drlg Contrs	DOFRI	del	1350	Oiwl 52T	320	73
	GLAUMUR	del	290	Fail 2000	290	37/2.88"
	JOTUNN	d-e	1500	G-D 700E	750	140
	NARFI	del	580	Fail 3000	290	80/3.5"
	YMIR	del	180	May 1000	180	18/2.37"
ITALY						
SAIPEM	5803	del	1400	Idco Super 711	885	114
	5806	del	440	Crdw 02	580	81
	5829	d-e	2000	C-E D3	1000	100
	5832	d-e	3200	Idco E2100	2000	200
	5833	d-e	3200	Idco E2100	2000	200
	5838	del	2800	Idco 1350S	1650	200
	5840	d-e	2800	Idco H1700	1700	165
	5852	d-e	880	Idco E525	825	60
	5855	del	1800	Idco H1200	1740	126
	5856	del	1700	Idco H1200	1740	126
	5858	del	1135	Idco H40	432	48
	5867	d-e	2900	C-E C3 Type II	3000	250
	5872	d-e	2800	Nat 1625	3000	250
	5886	d-e	3200	Nat 1625	3000	250
	5896	d-e	2600	Idco HE1700	1700	165
	5899	del	1400	Crdw 03	1050	104
NETHERLANDS						
Deutsche Tiefbohr	T-19	del	2600	Nat 80BE	1000	140
	T-27	d-e	3200	Nat 130	1625	200
	T-32	del	420	Idco H35KD	300	58
	T-40	d-e	2600	Nat 80B	1000	150
PORTUGAL						
Boldon Drlg	81	d-e	800	Nat 80UE	1000	140

EUROPE (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
SPAIN						
Compania Gen De Sondeos SA	G450	del	1050	C-E G450	450	100
	Skytop RR 650	mch	1000	S/B 650	575	20
	110	del	2700	Nat T2029	1700	197
	1320	d-e	2800	Nat 1320UE	2500	200
	800	del	2400	G-D	1470	148
Sonpetrol	GD-2	del	1100	G-D 500	600	106
	N-7	del	3200	Nat 1625	3000	250
	N-8	del	2000	Nat 80UE	1000	140
	N-9	el	2800	Nat 110	2750	180
SWITZERLAND						
Deutsche Tiefbohr	T-7	del	1300	Nat 80B	1000	110
TURKEY						
KCA Drlg	71	del	1800	Nat 80B	1000	120
	73	del	1800	Nat 80B	1000	120
UNITED KINGDOM						
Boldon Drlg	21	del	370	Nat T20	290	45
	22	del	590	Nat T20	335	55
	23	del	350	Nat T20	280	40
	81	d-e	800	Oiwl 660E	700	100
Houlder Marine Drlg	2	d-e	1600	Sup 700E	1000	90
Kenting Drlg Serv	12	del	350	S/B N45	350	80/4"
	17	del	350	Fail 90	350	50/3.5"
	19	del	350	G-D 3000	230	45/3.5"
	26	del	350	Sup 400	350	70/4"
	31	d-e	1000	Nat 80UE	1000	140/5"
	34	d-e	940	Nat 610UE	750	115
	36	d-e	940	Sup 700UE	700	100
KCA Drlg	94	del		Cbot 550	375	45
WEST GERMANY						
Deutsche Tiefbohr	T-1	del	335	Idco H1000	910	80
	T-14	del	2400	C-E A800	1800	140
	T-3	del	420	Idco H44CD	460	50
	T-30	d-e	1000	Idco E725D	725	60
	T-36	del	1600	Idco H1000	960	80
	T-4	del	500	Idco H30	455	60
	T-47	d-e	3900	C-E C3	3000	300
	T-5	del	335	Idco H525D	910	60
	T-8	del	335	Idco H1000	910	80
	T-81	del	375	Coop LTO350	200	40
	T-82	del	375	Coop LTO350	200	40
	T-83	del		Salt ZA198	200	
	T-84	del		Salt ZA198	200	
	T-85	del		Salt ZA198	200	
	T-9	del	335	Idco H1000	910	80
	T-92	del		H-L 6205	130	
	T-93	del		H-L 6205	130	
	T-94	del		H-L 6205	130	
	T45	d-e	2800	C-E C2	2000	200
Preussag Aktiengesellschaft	GH-25	del	2000	Wirth GH25	1800	140
	ZA292	del	500	Salt	180	30
	1320UE	del	3200	Nat 3120UE	2000	250
	2	del	1500	Cbot 2346	840	100
	900/3	del	1450	I-R 2346	900	100
SAIPEM	5870	d-e	3200	Nat 1625	3000	250
Von Rautenkranz Hermann	ITAG 22	del	3000	Nat 110M		200
	ITAG-104	del	1450	Wils Mogul		80
	ITAG-106	del	1800	Wils M75		100
	ITAG-109	del	600	Wils M75		700
	ITAG-23	d-e	3000	Oiwl 2000E		250

MIDDLE EAST

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
BAHRAIN						
Santa Fe Drlg	142	del	2000	Nat 110UE	1500	180
IRAN						
SAIPEM	5837	del	2600	Idco 1350S	1650	200
IRAQ						
SAIPEM	5843	d-e	2800	Oiwl E2000	2000	200
	5848	del	2800	Idco H1700	1740	165
	5849	del	2800	Idco H1700	2100	165
KUWAIT						
Energeers Ltd	1	d-e	2000	MC D3	1000	130
Kuwait Drlg	KDC-10	d-e	5100	Oiwl E3000	3000	300
	KDC-11	d-e	5100	Oiwl E3000	3000	300
	KDC-5	d-e	1700	G-D 800E	800	120
	KDC-6	d-e	5100	Oiwl E3000	3000	300
	KDC-7	d-e	1700	G-D 800E	800	120
	KDC-8	d-e		Oiwl E2000	2000	250
	KDC-9	d-e		Oiwl E2000	2000	250
Parker Drlg	189	d-e	3200	OIME 3000E	3000	300
Santa Fe Drlg	KDC 8	d-e	2800	OIWELL E2000	2000	200
	KDC 9	d-e	2800	Oiwl E2000	2000	200

MIDDLE EAST (Cont'd)

OMAN

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Deutsche Tiefbohr	T-17	d-e	2700	Nat 1320UE	1800	200
	T-18	del	3200	Nat 55	1000	110
	T-29	d-e	2800	Nat 1320ME	2000	200
	T-33	del	1600	Nat 55	1000	110
	T-34	del	1800	Idco H1000	950	80
Forex Neptune and/or Affil	12	del	1800	Idco Junior 1200	1400	115
	15	d-e	3200	Idco Super 711	1200	180
	57	del	2000	Olwl 760	1000	150
	58	del	2000	Nat 80B	1000	157

QATAR

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Deutsche Tiefbohr	T-6	del	500	Idco H1000	910	80
Santa Fe Drlg	131					
	89	d-e	2000	Nat 110UE	1800	160
	93	d-e	1700	Nat 80UE	700	120

SAUDI ARABIA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Blocker Drlg-Alice	19	del	1475	Cbot 2346	950	100
	7	del	1400	Cbot 900	950	100
Loffland Bros	126	d-e	3200	MC U1220EBD	2000	250
	127	d-e	3200	MC U1220EBD	2000	250
	128	d-e	3200	MC U1220EDB	2000	250
Santa Fe Drlg	101	d-e	2600	Nat 110UE	1500	160
	104	d-e	3400	Nat 1100UE	1500	160
	108	d-e	2000	Nat 110UE	1800	160
	67	d-e	2400	Nat 1320DE	3400	200
	70	d-e	2000	Nat 1320DE	3400	200
	90	d-e	2000	Nat 1320DE	2000	200

UNITED ARAB EMIRATES

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Forex Neptune and/or Affil	21	d-e	3200	G-D 2100E	2300	254
	32	d-e	3200	G-D 1100E	1500	180
	34	d-e	3200	G-D 1100	1500	180
	40	d-e	2000	Nat 80UE	1000	157
	56	del	2000	Nat 80B	1000	157
Geoprosco Intl	38	del	725	Idco H900	725	100
	42	d-e	725	Idco ED800	1000	100
	43	d-e	700	Idco ED800	1000	100
Santa Fe Drlg	121	d-e	3400	Olwl 2000E	3000	250
	139	del	3400	Olwl E2000	2000	250
Sedco Inc	59	del	2600	Olwl 860	2200	180
	95	d-e	3400	Nat 1320UE	2000	200
	96	del	3400	Olwl E2000	2000	200
	97	del	2700	Olwl 860	2200	180
Sonat Offshore Drlg	14	del		C-E C2 Type II		200
SAIPEM	5827	d-e	3200	Idco E2100	2000	200
	5828	d-e	3200	Idco E2100	2000	200
	5887	d-e	3200	Nat 1625	3000	250

SOUTH AMERICA

ARGENTINA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Compania Naviera Perez Companc	1	del	1400	Crdw J450	700	60
	2	del	1400	Crdw J450	700	60
	29	del	1600	G-D 700	700	100
	3	del	1400	Crdw J450	700	80
	36	del	1600	G-D 800	1050	120
	37	del	1400	Crdw KB210	350	59
	4	del	1400	Crdw J450	700	80
	42	del	1000	G-D 700	1700	100
	5	del	1400	Crdw KM250	350	59
	6	del	1400	Crdw KM250	350	59
Rio Colorado SA	E-101	del	1250	MC U36A	700	100
	E-102	del	1250	MC U36A	1000	100
	E-103	del	1250	MC U36A	1000	100
	E-105	del	1000	C-E GC350	800	90
	E-107	del	1800	Nat 100N	1500	180
	E-108	del	1250	Nat	800	100
	E-109	del	1250	Nat N75	1500	110
	E-110	del	1000	Idco H40	500	80
	E-111	del	1500	G-D 800DW	900	110
	E-112	del	1000	Idco H40	500	65
	E-113	del	1600	G-D 800DW	1200	120

SOUTH AMERICA (Cont'd)

ARGENTINA (Cont'd)

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Rio Colorado SA	E-125	del	880	Idco H37	500	65
	E-126	del	2600	Nat 1320UE	2000	200
	E-127	d-e	2660	G-D 1500E	2000	200
	E-128	d-e	1140	Idco E525	1000	100
	E-129	del	1600	Nat 75	1000	100
	E-130	del	1320	Idco H40	450	80
	E-132	del	1320	Idco H40	550	80
	E-134	d-e	2600	Nat 1625DE	3000	250
	E-137	del	1900	Idco H1200	2500	150
	E-301	del	230	Crdw KB500	380	120
	E-302	del	160	W-M 1538B	380	110
	E-307	del	160	Idco H-25	380	100
	E-309	del	230	Idco KB210A	280	100
	E-310	del	230	Crdw KB200C	380	100
	E-317	del	550	Crdw KB200C	370	100
	E-318	del	550	Idco H30	230	110
	E-319	del	560	Idco H30	230	110
	E-320	del	550	Idco H30	230	110
	E-323	del	550	Idco H30	230	110
	112	del		Idco H40		65
	146	del				150
	303	del		W-M 1538B		110
	304	del		W-M 1538B		110
	305	del		Wils Super 38		110
	306	del		Crdw K210A		100
	308	del		Crdw K200		100
	311	del		Wils Super 38		110
	312	del		Crdw KB150		90
	321	del		Idco M20D		85
	322	del		Idco M20D		85
	324	del		Idco M20D		85
	325	del		Idco H25		95
	326	del		Crdw KB210A		100
	327	del		Idco H20		85

BOLIVIA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Helmerich & Payne Resco	11	d-e	1600	HS1500	1500	180
	9	d-e	1600	HS1500	1500	180
Rio Colorado SA	E-104	del	1000	Idco H525	800	100

BRAZIL

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Compania Naviera Perez Companc	45	d-e	2800	Idco E1700	1700	152
	46	del	1500	G-D 500M	700	100
Parker Drlg	132-HH/20	del	1500	OIME TBA2000	1700	200
	134-HH/22	del	1500	OIME TBA2000	1700	200
	151-HH/34	del	1500	OIME TBA2000	1700	200
	185-HH/40	del	2000	OIME TBA2000	2000	200
Rio Colorado SA	E-119	del	1850	C-E A800	1800	120
	E-120	del	2000	S/B N95A	2250	140
	E-121	d-e	2900	S/B N95A	2000	160
	E-122	d-e	2800	S/B N95A	2000	160
	E-123	d-e	2800	Nat 1320E	2000	200
	E-124	d-e	2800	Nat 1320E	2000	200

COLOMBIA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Helmerich & Payne (Colombia)	10	d-e	1600	HS1500	1500	180
	7	d-e	2000	HS1500	1500	180
Parker Drlg	104	del	1400	Nat 50A	1275	100
	110HH/9	del	1500	OIME	1700	170
	158	del	1200	Nat 80B	1700	150
	197-HH/43	del	3000	OIME TBA2000	2000	200
	209	del	750	Nat 50	750	100
	216	del	3200	OIME 2000	3200	250
	219	del	3200	OIME 2000	3200	250
Rio Colorado SA	135	del	1100	Idco H40	800	80
	144	del		S/B N85		140

ECUADOR

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Helmerich & Payne Del Ecuador	12	d-e	1600	HS1500	1500	180
	18	del	600	Coop LTO550	660	60
Parker Drlg	135	del	1400	OIME TBA2000	1400	150
	159	del	2200	Olwl 78	1560	150

SOUTH AMERICA (Cont'd)

PERU

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Belco Petr	2	del	1000	S/B H4210	700	80
	3	del	1000	Nat 55	700	90
	4	del	1000	Nat 80B	1000	120
	6	del	1000	S/B DH4610	1000	120
	7	del	850	C-E A1100	1800	140
	8	del	850	C-E DH4610	1000	100
Blocker Intl	21	del	550	Idco H37	456	70
	22	del	550	Idco H37	456	70
	23	del	560	Idco H37	456	70
	24	del	550	Idco H37	456	70
	31					150
	34					150
Parker Drlg	107-HH/4	del	1200	OIME	1700	150
	108-HH/5	del	1500	OIME	1700	170
	127-HH/15	del	1500	OIME TBA2000	1700	200
	131-HH/19	del	1500	OIME TBA2000	1700	200
	144-HH/30	del	1500	OIME TBA2000	1700	200
	145-HH/31	del	1500	OIME TBA2000	1700	200
	154-HH/35	del	1500	OIME TBA2000	1700	200
	155	del	1500	OIME TBA2000	1700	200
	206	del		OIME TBA2000	2000	200
	207	del	2000	OIME TBA2000	2000	200
Rio Colorado SA	E-106	del	1000	C-E GC350T	1000	90
	E-114	del	900	Crdw KT250	500	30
	E-115	del	900	Crdw KT250	500	60
	E-116	del	900	Crdw KT250	500	60
	E-117	del	900	Crdw KT250	500	60
	E-118	del	600	I-R RT5	200	30
	313	del		Crdw KB150		90
	314	del		Crdw KB150		90
	315	del		Crdw KB150		90
	316	del		Crdw KB150		90

TRINIDAD

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Skinner Marine Oper	15	del	280	Cbot 280 CA Rocket	3000	
	16	del	450	Cbot 1267	300	40
	17	del	1100	Olwl 680	840	90
	18	d-e	2000	Olwl 840E	2000	160

VENEZUELA

• Contractor	Rig No. •	Type Power •	Total HP All Main Mud Pumps •	Drawworks Make And Model •	Total HP Available to Drawworks •	Rated Depth With 4½-in. Pipe, 100 ft. •
Helmerich & Payne CA	14	del	800	Idco H37	400	80
	17	del	600	Coop LTO650	800	80
	19	del	800	Coop LTO550	800	80
	20	del	800	Coop LTO550	800	80
	21	del	800	Coop LTO550	800	80
	28	del	1500	Nat 110	1500	180
	3	del	800	Idco H37	800	80
	30	del	1200	Idco H525	1200	100
	31	del	1200	Idco H525	1000	100
	6	del	300	Idco H44	400	50
	67	del	1500	Nat 110	1500	180
Loffland Bros	14	del	700	MC U36A	785	90
	24	d-e	2000	Nat 100E	2000	150
	41	del	2000	MC U814C	2000	200
	54	d-e	2900	MC U1220EB	3300	280
	61	del	580	Idco H525	586	65
	62					
	66	d-e	3200	MC U1220EB	3300	280
	94	d-e	2000	MC U20E	1900	180
Santa Fe Drlg	110	d-e	2000	Nat 1320UE	2000	200
	115	d-e	2000	Nat 1320DE	3400	200
	118	d-e	2800	Olwl E2000	2000	200
	125	del	800	Hoop GXTA	450	80
	129	del	1700	G-D 500M	850	90
	15	del	800	Idco 525	800	90
	16	del	600	Nat T32	250	50
	2	del	1700	Nat 130	1800	200
	20	del	800	Idco H40D	350	70
	21	del	1200	MC U814B	1800	200
	22	del	350	Idco H35	350	50
	24	del	350	Idco H35	350	50
	8	del	2200	Nat 130	1800	200
	9	del	1850	Nat 130	1800	200

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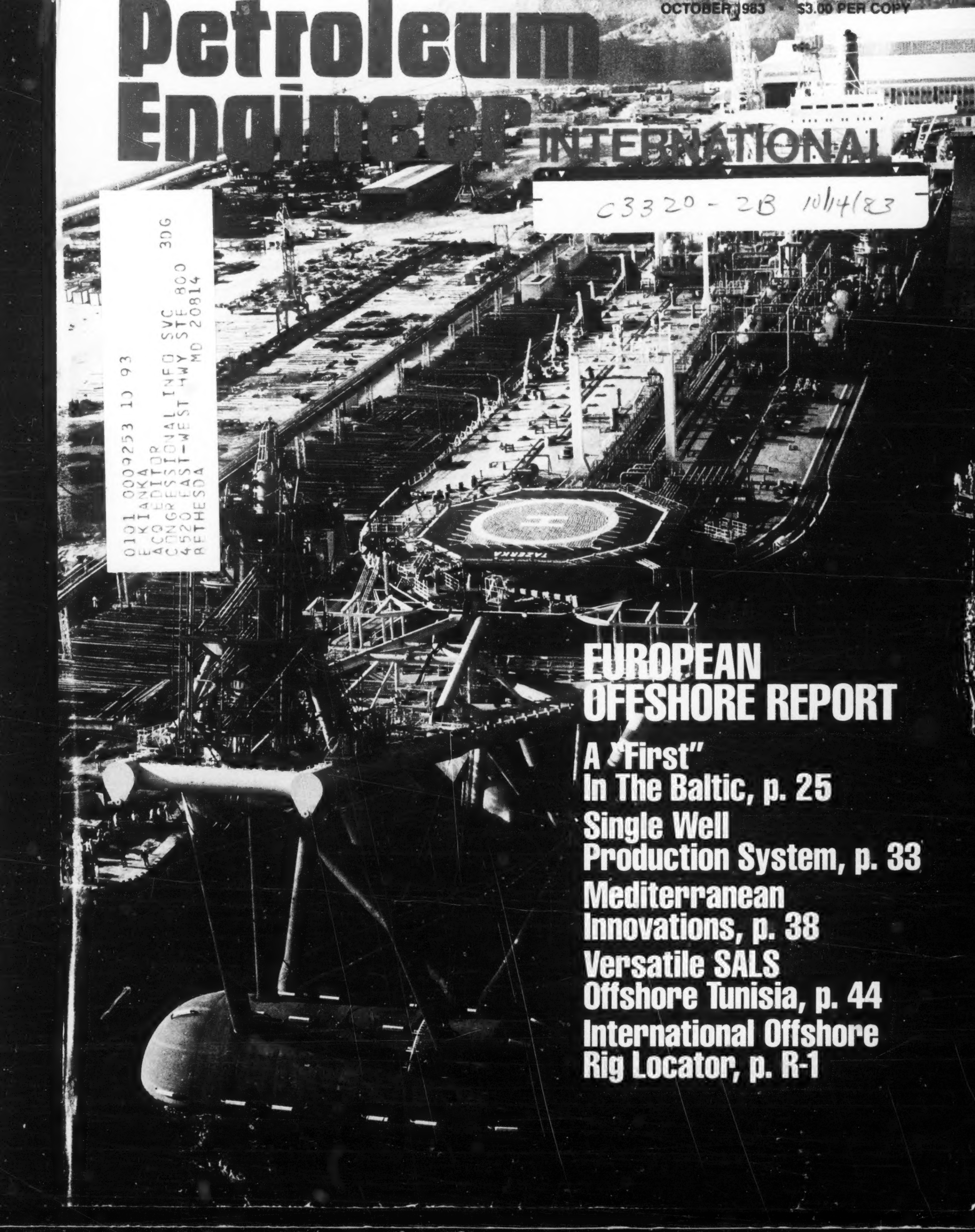

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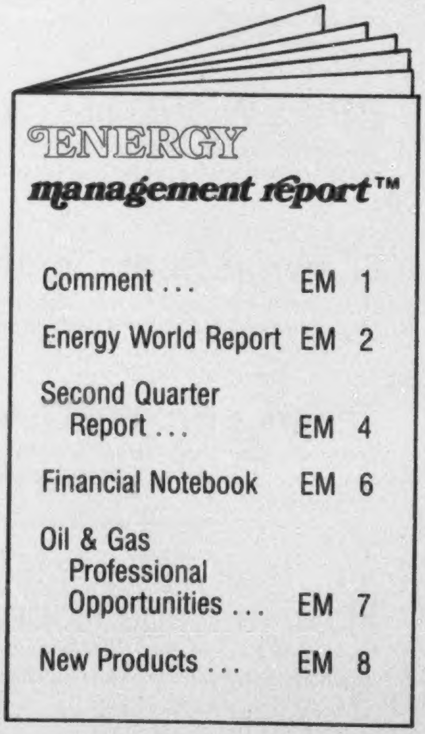

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During the mid-August to mid-September period covered by this report, Texas picked up 75 active rigs – an increase that eclipsed by two the overall U.S. effort. Wyoming and California both gained 13 rigs during the month, but Oklahoma was off 14 rigs and Louisiana was down by 11. Offshore drillers around the country slumped by nine rigs during the month. Canada's offshore drillers, on the other hand, were marvels of consistency.

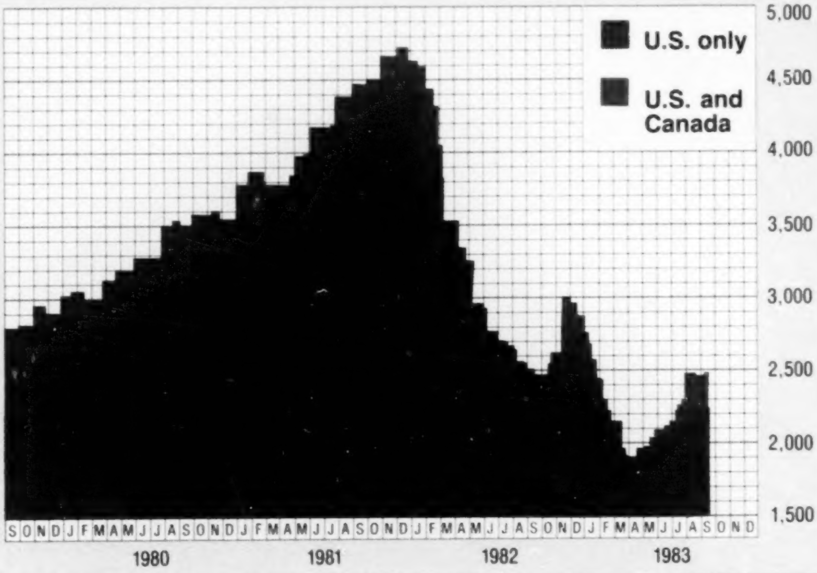
With 15 weeks left in the year, as of mid-September, the U.S. rig count is averaging 2,113.8 active rigs per week. That means that the revised goal of 2,285 average rigs for 1983 is unlikely to be met because it would take an extraordinary effort during which the rig count would have to average 2,707 for slightly longer than 3 months.

Nevertheless, U.S. drillers are continuing their turnaround that has seen Hughes Tool Co.'s active rotary rig count climb each week since July 11.

Rotary rigs actually making hole in United States & Canada

As Reported To International Association Of Drilling Contractors By Hughes Tool Co.

	Aug. 22, 1983	Aug. 29, 1983	Sept. 6, 1983	Sept. 12, 1983
Alabama				
Land	13	13	16	15
Inland Waters	3	3	3	2
Offshore	1	1	1	1
Alaska				
Land	8	9	9	10
Offshore	5	5	5	4
Total	13	14	14	14
Arkansas	25	25	27	27
Arizona	0	0	1	1
California				
Land	81	84	90	94
Offshore	27	26	26	27
Total	108	110	116	121
Colorado	63	66	65	63
Florida				
Land	5	5	5	4
Offshore	1	1	1	1
Total	6	6	6	5
Hawaii	1	0	0	1
Idaho	2	2	3	3
Illinois	73	72	69	68
Indiana	7	6	5	5
Kansas	128	121	119	124
Kentucky	10	9	7	7
North Louisiana	33	31	30	28
South Louisiana				
Inland Waters	46	47	46	46
Land	80	74	75	81
Offshore	109	109	102	102
Total	268	261	255	257
Michigan	34	36	36	40
Mississippi	28	26	26	26
Montana	21	18	15	23
Nebraska	8	5	6	6
Nevada	1	1	1	1
New Mexico	51	54	52	56
New York	11	9	9	9
North Dakota	36	31	34	31
Ohio	51	50	45	43
Oklahoma	267	255	261	253
Pennsylvania	26	30	32	33
South Dakota	3	1	1	1
Texas				
Offshore	44	46	43	43
Inland Waters	7	7	6	7
Dist. 1-S. Central Tex.	10	10	21	21
Dist. 2-Middle Tex. Coast	38	41	32	34
Dist. 3-Upper Tex. Coast	97	94	96	97
Dist. 4-Lower Tex. Coast	77	85	90	89
Dist. 5-Northeast Tex.	28	26	24	21
Dist. 6-Far Northeast Tex.	74	77	78	79
Dist. 7B-N. Central Tex.	45	49	54	52
Dist. 7C-W. Central Tex.	57	51	50	54
Dist. 8-Far West Tex.	104	116	126	138
Dist. 8A-West Tex.	54	58	59	61
Dist. 9-North Tex.	74	77	77	79
Dist. 10-Tex. Panhandle	43	47	49	52
Total	752	784	805	827
Utah	37	39	40	37
Virginia	1	1	3	3
Washington	2	1	1	1
West Virginia	27	28	30	30
Wyoming	97	107	108	113
Total U.S.	2,174	2,185	2,210	2,247
Canada	263	245	218	206
Canada-Offshore	17	17	17	17
U.S. and Canada	2,454	2,447	2,445	2,470



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New Generation Of Semis Improves Offshore Drilling Operations

by T. V. Rodnight, *Senior Project Engineer,*
KCA Engineering Ltd., London, UK

The latest generation of semisubmersible drilling units (SSDUs) is designed with improved structural strength, higher variable deck load, deeper water depth capability, and a greater degree of self-sufficiency.

The SSDU is considered the most suitable offshore drilling unit for operations in harsh environments due to its excellent motion characteristics (Table 1). These are achieved at the expense of variable deck loading, so a satisfactory compromise has to be reached between the two factors.

Rules and Regulations

The influence of governmental classification authorities on the design of the SSDU and its equipment systems has steadily increased as more knowledge and experience in SSDU operation are obtained.

Rules and regulations for North Sea operations are divided into two groups: (1) those issued by the classification societies (ABS, DNV, Lloyds, etc.) which apply to the design and construction of the mobile drilling unit, and (2) those issued separately by the governmental authorities (UK Departments of Energy and Trade, Norwegian Directorates, etc.) which relate to the suitability of the mobile drilling unit to operate in areas within a country's jurisdiction.

The purchaser of a new SSDU normally stipulates approval by one classification society and at least two sets of different governmental regulations to improve operational flexibility. There are differences and in some cases contradictions in these regulations, causing potential problems and delays during construction.

Investigative work into offshore accidents – the structural failure of the semisubmersible Ocean Prince, blowout on the Ekofisk production platform, grounding of semisubmersible Deep Sea Driller, capsize of the semisubmersible Alexander Kielland – has noticeably increased new rules and regulations.[1] In most cases, existing mobile drilling units are expected to comply within a specified time period.

As a result, rig owners face a dilemma – to either upgrade the unit at great cost (estimated $5 to $10 million for an SSDU to meet 1981-1982 Norwegian regulations) or move it to another area where the unit is able to comply with the appropriate rules. During the last decade many of the older SSDUs have left the North Sea for Asian and African waters due to the introduction of new rules and regulations.

Environmental Criteria

Environmental criteria used in the design of SSDUs have become gradually more severe as drilling operations extend into deeper waters and more remote locations. These criteria need to be determined early in the design phase since they are required to establish motion characteristics, structural strength, mooring capability, and specifications for equipment systems.

Usually SSDUs are designed for a general area of operation – for example, the northern North Sea, Far East, or Gulf of Mexico. Therefore, they can be divided into groups which satisfy identical or very similar environmental criteria.

The advantages or disadvantages of an SSDU within a particular group become more apparent when the water depth capability, variable deck load, and equipment specifications are reviewed. Construction costs for the various types of mobile drilling units are shown in Table 2.

Motion Characteristics

The efficiency of offshore drilling operations is affected by an increase in unit motions until a point is reached where continued operations would be considered unsafe. Ultimately, failure to maintain position due to dragging of anchors, broken mooring lines, or insufficient thruster power would result in a disconnect procedure from the BOP stack after closing the well.

Optimization of SSDU motions is an important part of the design phase. The following factors all have a significant effect on SSDU motions:[2]

- Shape of pontoon hulls.
- Spacing between pontoon hulls.

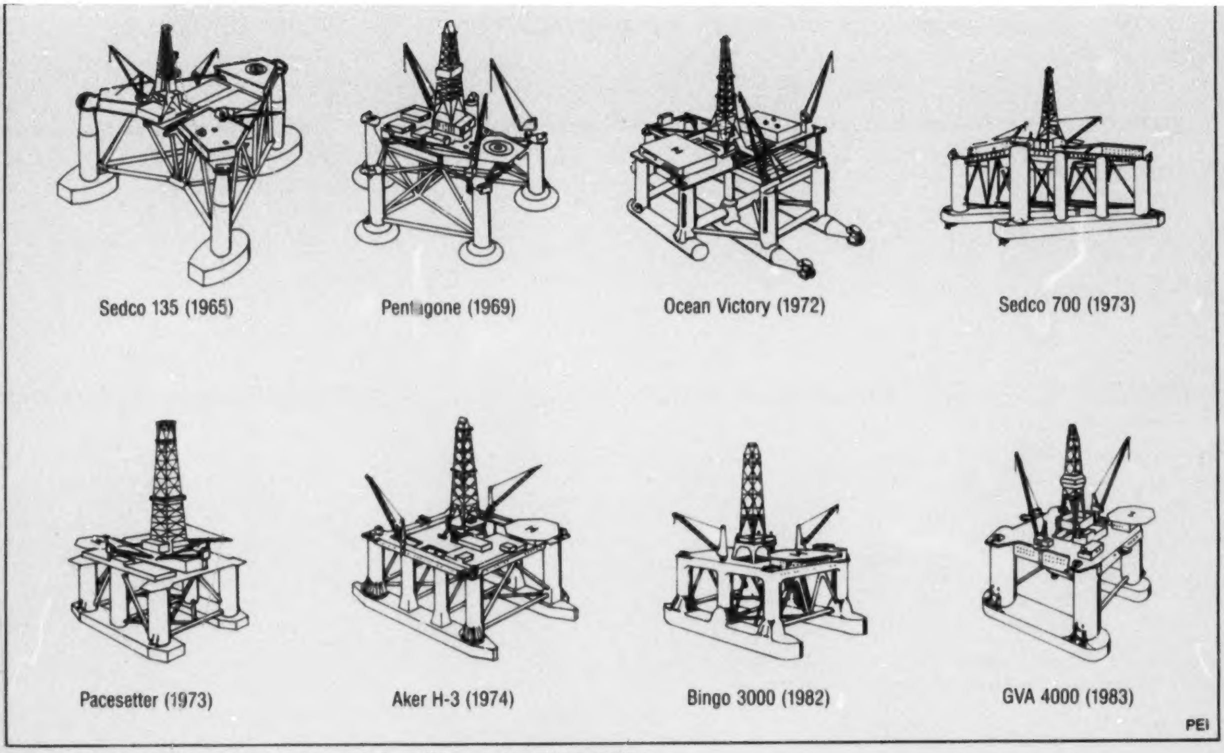
Sedco 135 (1965)
Pentagone (1969)
Ocean Victory (1972)
Sedco 700 (1973)
Pacesetter (1973)
Aker H-3 (1974)
Bingo 3000 (1982)
GVA 4000 (1983)
PEI

Fig. 1. Various types of semisubmersible drilling units (1965-1983).

- Number of columns.
- Spacing between columns.
- Column diameters.

Heave is the principal motion to affect SSDU operations, followed by roll and pitch. Heave motions are accommodated by motion compensation systems – that is, drill string compensator, riser tensioners, and guideline tensioners. Roll and pitch motions are accommodated by ball or flex joints, located under the drill floor and on the lower marine riser package. Surge, sway, and yaw motions are contained by the mooring or dynamic positioning systems.

Limiting SSDU motion figures for normal drilling operations are approximately ±6 ft for heave, ±3° roll, and ±3° pitch. For an SSDU these figures could be reached in wave heights of 40 ft, and for drillships 10- to 20-ft waves, depending on heading. Motion criteria for more difficult operations, such as the running of BOP stacks or casing, are considerably less.

Variable Deck Load

Variable deck load (VDL) is normally the principal design parameter for an SSDU. It is also an important factor in the selection of a mobile drilling unit. VDL usually is defined as the weight which can be carried at a point located a small distance above the main storage area – typically 5 ft above the pipe racks.

Because of the attraction of the high VDL, designers often present their figures in the most optimistic manner. The VDL can only be confirmed after the inclining test, and frequently the design VDL bears little relationship to the actual figure. Usually the difference is caused by a combination of underestimating the lightship weight and a higher lightship vertical center of gravity. Therefore, it is important to ensure that an effective weight control program is carried out during design and construction.

Design studies have been made for SSDUs with a VDL of up to 10,000 metric tons, but these large figures are primarily aimed at the market for semisubmersible floating production facilities, where higher deck load capabilities for the additional process and production equipment are required.

VDL is dependent on the SSDU's stability. However, a conflict in requirements exists, because a large waterplane area is conducive to good static stability and hence VDL, but it is decidedly detrimental to motion characteristics. It is therefore necessary to achieve a satisfactory compromise between VDL and motion characteristics of an SSDU.

The method and assumptions used to calculate VDL may vary. A detailed analysis should be carried out to provide a more accurate comparison. Sometimes the term variable payload is used, which includes consumable items stored below the pipe racks such as fuel oil, bulk materials, and potable water; these additional items produce a variable payload which is greater than the VDL. Mooring system loads are not considered part of the VDL although they affect VDL calculations.

The VDL figure, subject to adequate storage areas, gives a good indication of the self-sufficiency of the SSDU – a factor particularly important to the operator, since a low VDL will require increased resupplying services during operations.

VDL figures should be quoted for three different draughts:

TABLE 1. Comparison of various types of mobile drilling units

	Jackup	Drillship	Semisubmersible
Construction cost	Low to medium	Medium to expensive	Expensive
Water depth capability	Shallow to medium water	Medium to very deep water	Medium to deep water
Transit variable deck load	Fair	Very good	Fair
Operational VDL	Fair	Very good	Good
Motion characteristics	n/a	Poor	Good
Mobilization	Fair	Very good	Good
Setting up on location	Difficult	Fair	Fair

- Transit draught – at pontoon draught to increase transit speed between locations.
- Survival draught – improved stability and to allow 100-year wave to pass under deck structure (typically 60 ft for 100-knot wind).
- Operating draught – optimum draught for a combination of good VDL and motion characteristics (typically 70 ft for 70-knot wind).

The survival and transit VDLs are less than the operating draught VDL, because of differing environmental and stability conditions. Several stability calculations should be made between transit and operating draughts to confirm that positive stability is maintained for the range of draughts.

Typical variable loads for a 1,500-ft water depth SSDU are shown in Table 3. Vertical moments should be calculated to compare with the VDL figure as certain loads are located below and above the pipe racks. Figures in brackets represent maximum capacity.

Structural Design

Throughout the development of the SSDU there has been a general trend to simplify the structural design. Some of the early SSDUs

tures when compared with the most recent units (Fig. 1).

The structural design of today's SSDU has been simplified by:

- Reduction in number of displacement hulls or pontoons.
- Fewer brace members and nodal joints.
- Simpler column-to-pontoon connections.
- Simpler brace connections.
- Modular deck structures.

Two longitudinal pontoons with four, six, or eight columns supporting the main deck structure has become the universal design for SSDUs built over the last 10 years.

Some semisubmersible designs have deleted the horizontal braces tying the pontoons together at the column base level to reduce the drag at transit draught and wave slamming forces on the horizontal braces. This particular design feature has not received widespread approval because of excessive sagging forces occurring at deck structure level.

The structural design of SSDUs

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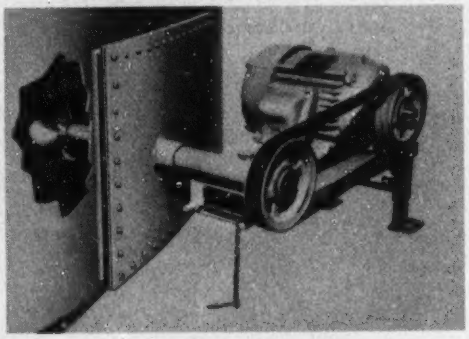

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North Sea have been affected by a number of new rules and regulations principally imposed as a result of the Alexander Kielland accident.

Due to the impact of the lightship weight increases and the new stability rules, many SSDUs, either in operation or in the course of construction, have undergone major structural modifications to enhance their VDL capability. These can take the form of one or more of the following:

- Additional columns.
- Blisters on the column-to-pontoon connections to improve transition stability.
- Blisters on the columns at operating draught.
- Increase in pontoon displacements.

Principal parameters for some of the SSDUs which have or are expected to operate in the North European waters are listed in Table 4. Most of the latest SSDUs are expected to have a lightship weight of between 11,000 and 13,000 metric tons and an operating displacement

The largest SSDUs – the Ocean Ranger design – have a lightship of 16,000 to 22,000 metric tons and an operating displacement of 39,500 to 45,000 metric tons.

Figures for dynamically positioned SSDUs have not been included. It should be noted that such vessels have a water depth capability down to 6,000 ft and an increased displacement to compensate for the additional power generation and propulsion machinery.

A semisubmersible crane vessel, drillship, and jackup are included in Table 4 to illustrate the differences in principal particulars.

Marine Systems

The size of the generation system depends on the power requirements of the propulsion and drilling equipment and miscellaneous services. Electrical load conditions vary between a moored and a dynamically positioned SSDU, since the latter will have a propulsion system load while drilling operations are in progress.

approximately 90% of SSDUs are between 8,000 to 10,000 hp. Dynamically positioned SSDUs have a total power plant of approximately 30,000 to 35,000 hp. The large power plants and thruster propulsion systems are the principal reasons for their increase in lightship and construction costs.

Many of the latest SSDUs are fitted with 6,000- or 6,600-v alternators providing direct power to the propulsion system, and an SCR system providing a lower voltage of 600 or 750 v DC to drive the drilling equipment and mooring system motors. A conventional transformer system is used to provide auxiliary and domestic services. The high-voltage systems (6,000 v) are becoming more standard to reduce the cable sizes, motor dimensions, and installation costs. Such systems, however, require more complex circuit breaker installations and experienced maintenance crews.

The introduction of data management systems (DMS) on SSDUs

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TABLE 2. Mobile drilling unit construction costs (in $1,000,000)

	Jackup		Semisubmersible		Drillship	
Year	Shallow	Deepwater	Moored	Dynamically positioned	Moored	Dynamically positioned
1972	$7-8	$9.5-10.5	$20-25		$10-12	$20-22
1973	$8-11	$11-13	$33.3		$14-20	$25-27
1974	$10-16	$15-16	$34		$16-22	$35-40
1975	$18-22	$20-25	$30-42		$25-30	$40-55
1976	$16-20	$22-28	$50-51	$62	$25-30	$45-60
1977	$17-21	$22-30	$57			
1978	$16-22	$25-35			$59	$80-85
1979	$17-21	$28-44	$60-70		$60-68	$75-85
1980	$20-25	$35-45	$73-75	$120	$90	
1981	$21-30	$51-63	$115-$130	$156	$50-100	
1982	$27-30	$68-75	$100-130	$180	$75-130	$160-180

was successfully pioneered in the mid-1970s. The DMS is now being specified on several of the latest SSDUs.

The DMS is a centralized management system[3] used to control a wide range of machinery, safety, and alarm systems normally operated from the engine control room. Process interface units (PIU) are located at remote stations around the SSDU and are used to collect data or issue command functions via a multiplex data link with the engine control room. A sophisticated DMS can provide remote control monitoring and alarm functioning for such equipment as the power generation, mooring, propulsion, thrusters, ballast, and watertight doors.

Propulsion System

The first SSDUs were not equipped with propulsion systems since they were designed to sit on the seabed in shallow water depths. Rig moves for such units would be carried out with the use of tugs. Today, most SSDUs are classed as ships and are self-propelled. This feature is influenced by the attraction of reduced insurance premium costs.

Typically, modern SSDUs are fitted with either an orthodox in-line propulsion system which uses propellers or varying combinations of thruster units. Thruster units have become more popular in recent years, but problems have been experienced due to the complex control and sealing systems. Even small failures can be extremely expensive repair operations.

The total propulsive horsepower for a twin longitudinal pontoon SSDU has remained unchanged in recent years at approximately 6,000 hp, giving a transit draught speed of approximately 7 knots. Total thruster power of a dynamically positioned SSDU ranges from 24,000 to 32,000 hp.

Transit speed of a SSDU is important when considering the mobilization time and costs for a long voyage — this is one area where the drill-

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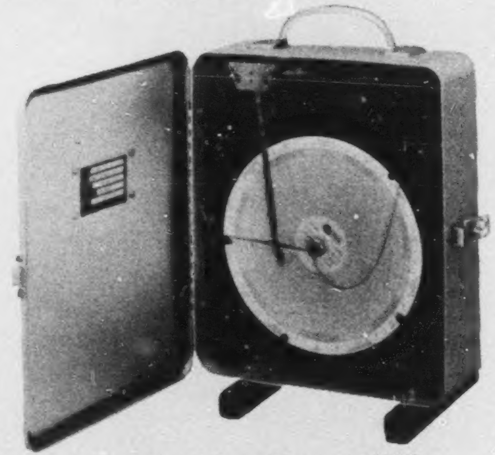

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TABLE 3. Typical variable loads for an SSDU working in 1,500-ft water depth

		Maximum capacity, metric tons	Transit draught, metric tons	Operating draught, metric tons
Topside loads	BOP stack		200	
	Riser system		250	50
	Drill pipe and collars	1,200	300	150
	Casing		100	300
	Drilling tools		100	100
	Sack materials	350	200	200
	Stores		100	100
	Main deck storage tanks	150	100	100
	Diving equipment		150	150
	Testing equipment, labs, etc.		100	100
	Riser and guideline tensions	500		300
	Rotary table load	600		
	Derrick setback load	250		150
	Liquid mud	600		400
Column loads	Bulk materials	1,000	500	500
	Potable water	200	150	150
Mooring loads	Mooring lines	1,800	1,800	400
	Vertical mooring tensions			600

ship has a considerable advantage. A drillship with a propulsion system of approximately 6,000 hp normally would achieve twice the transit speed of an SSDU.

Mooring System

The mooring system is one of the most important factors in the design of an SSDU because it determines the water depth capability and maintains the SSDU on location within acceptable offsets to minimize possible damage to the marine riser and wellhead casing.

There are three types of mooring systems – chain, wire, and a chain-wire combination. During 1982, more than 90% of SSDUs working in North European waters were equipped with chain mooring systems.

A chain-wire combination mooring system is designed to further improve water depth capability by employing wire at the SSDU end to increase the mooring length. This feature minimizes weight increases, but requires complex drive and spooling units.

The design water depth capability of moored SSDUs working in the North Sea has increased from 600 ft in the early 1970s to approximately 1,500 ft for the latest units. Several of the SSDUs built in the mid-1970s were upgraded from 600 ft to 1,000 ft. This was achieved by increasing the chain lengths from approximately 3,500 to 4,500 ft and modifying the chain lockers.

While it is possible to design larger and better mooring systems, the practical aspects of running and retrieving moorings in deep waters and harsh environments should not

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TABLE 4. Principal parameters for various types of mobile drilling unit designs

Vessel type	Design series and year of introduction	Lightship, metric tons	Operating displacement, metric tons	Design variable deck load, metric tons	Number of pontoon hulls	Number of columns	Maximum design water depth capability, ft	Mooring system
Semi-submersible drilling units	Sedco 135 (1965)	9,500	14,600	1,250	3	3	600-800	9 × wire or chain
	Pentagone (1969)	10,000	17,600	2,100	5	5	600-1,200	10 × wire
	Ocean Victory (1972)	10,000	23,000		4	12	600-1,000	8 × chain
	Sedco 700 (1973)			3,000	2	8	1,000-2,000	8 x chain, or DP* and 6 × chain
	Pacesetter (1973)			3,000+	2	6	650-2,000	8 × wire, chain or chain-wire
	Aker H-3 (1974)	10,600	19,600	2,200	2	8	600-1,500	8 × chain
	Bingo 3000 (1982)		25,000	3,000+	2	6	1,500	8 × chain
	GVA 4000 (1983)	13,350	26,000	4,000	2	4	1,500-2,000	8 × chain or chain-wire
Semi-submersible crane vessel	Heerema (3000 + 2000 s. t. cranes) (1978)	46,500	105,000	7,250	2	6		12 × wire
Drillship	IHC gusto (1972)	10,300	18,400	4,600	1	-	1,500-6,000	DP, or 8 × wire and DP
Jackup	Marathon LeTourneau 116-C (1976)	5,500		1,800	1	3 legs	300	none

*DP = dynamic position

Note: These figures are for guidance only; for more precise information, direct contact with the rig designer is recommended.

be understated. Operations in such conditions take longer periods of time and require larger workboats and reliable windlass braking systems.

Many of the early SSDUs were equipped with wire mooring systems, but chain is strongly favored for North Sea environments because:

- The chain system is considered more robust and durable.
- The chain catenary shape enables chain to embed into the sea bottom and improve overall anchor holding capability.

A wire mooring system, however, offers reduced weight (therefore improved VDL), reduced cost, and better mooring characteristics in shallower waters.

Some of the latest SSDUs equipped with wire or the wire-chain mooring systems have located the wire storage reels in the pontoons or lower columns, which improves the VDL figures due to the low centers of gravity.

Many problems were experienced with mooring systems during the last decade of SSDU operations in the North Sea. These included chain and anchor failures, broken dog clutches and bull gears, fairleader foundation welding problems, and incorrect design of fairleader and gypsy pockets. Recent improvements include the use of hydraulic power, torque converters, better braking systems, and removal of wildcats. The new regulations, design features, and manufacturing techniques are obviously aimed at improving the reliability of mooring systems.

Mooring systems can be improved by specifying a higher quality chain. During the last few years, chain manufacturing techniques have progressed from the normal oil rig quality or similar Grade 3, to provide either an arctic or Grade 4. The arctic grade provides Charpy impact test results at −60 C, while Grade 4 provides approximately 35% improvement in tensile yield values.

Dynamic Positioning

Dynamic positioning, also known as automatic station-keeping, is a system designed to keep a drilling unit on location without the use of a mooring system. It usually consists of three independent reference systems which are linked via computers to the thruster units.

The design station-keeping capability of the dynamic positioning SSDUs is less than that of a moored-up SSDU. Dynamic positioning units are believed to be capable of maintaining position in wind speeds of approximately 65 knots, whereas moored-up units operating in the North Sea are designed to remain on location in wind speeds of 100 knots.

Installation of a dynamic positioning system on a mobile drilling unit effectively removes the water depth constraints imposed by mooring systems. A dynamically positioned drilling unit is equally effective in water depths of 1,000 or 6,000 ft. Specifications for a dynamic positioning system on an SSDU suitable for the North Sea would require additional on-board support crew and would result in an estimated 300% increase in propulsion and generation power, about a 200% increase in daily fuel consumption, and about a 30% increase in construction costs.

Operating mobile drilling units using a dynamic positioned system is more difficult in shallow to medium water depths due to the need to maintain position within acceptable offsets (approximately 6% of the water depth). A few drilling units are equipped with mooring systems to give additional water depth flexibility.

New mooring rules from the Norwegian authorities permit the use of propulsion and thruster units to complement the mooring system – by directing the propulsion thrust against the environmental forces to reduce the forces in the mooring lines. A future possibility is that a semiautomatic dynamic positioning system with joystick control could be used for severe weather situations.

Drilling Equipment

The drilling depth rating for modern SSDUs has remained unaltered at either 20,000 or 25,000 ft – sufficient for most offshore wells which are drilled to target depths of between 7,000 to 14,000 ft. Few significant developments have emerged over the last decade in drill floor equipment apart from the introduction on a few SSDUs of pipe racking systems and iron roughnecks.

Constant weight on the drill bit is achieved by the drill string compensator (DSC) which normally is located in vertical guiderails in the derrick. To increase well depth capability and the ability to land heavier BOP stacks, several of the new SSDUs are being equipped with larger DSCs (600,000-lb motion compensation and 1,400,000-lb lockdown load).

Operations in deeper waters require larger top tensions to support the riser system from collapsing or buckling. To achieve the necessary support, the latest SSDUs are equipped with 8 to 12 8,000-lb capacity riser tensioners, which are complemented with buoyant riser joints. Riser flotation devices normally are fitted for water depths in excess of 1,000 ft.

Running and retrieval of the BOP stack is a difficult operation, especially in bad weather, and the drill crew can be exposed to hazardous situations. Many of the latest SSDUs have been fitted with sophisticated transporter-guidance systems to carry the BOP stack as a complete unit. For ideal retrieval operations, BOP handling systems should be designed to safely restrain and land the BOP stack when it is hanging from under the drill floor.

Control of the BOP stack on the sea floor is achieved by a hydraulic hose bundle. In water depths in excess of 2,000 ft, electronic multiplex systems are used to control the BOP hydraulic system, minimizing control signal times.

SSDU Capabilities

During the last decade, the semisubmersible drilling unit has grown by the largest percentage of all the various types of mobile drilling units, because of its good motion characteristics and water depth capability. The twin pontoon hull

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with a rectangular deck structure supported by columns has become the standard design for SSDUs since the mid-1970s. It offers simple construction, good transit speed, and optimum space utilization.

A variable deck load of between 2,500 and 3,500 metric tons is the industry standard for offshore exploration. Designs with larger variable deck loads are only economically viable as floating production platforms.

Lightship weight and center of gravity should be carefully controlled during design and construction of an SSDU. Most new SSDUs have been designed to operate in North Sea environments, and will be equipped with mooring systems designed for 1,500-ft water depths.

No serious problems are foreseen in designing SSDUs suitable for operations in water depths of 6,000 ft. Such designs would require dynamic positioning systems which increase the unit's costs and complexity.

In recent years SSDUs have been operating in colder and harsher environments. The latest SSDUs are being designed with lower design temperatures, improved mechanical handling systems, and increased weather protection.

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About the Author

Tony Rodnight is a senior project engineer with KCA Engineering Ltd. in London and has worked in the international offshore industry for 10 years. A graduate of Britain's Newcastle University, where he gained a BSc honors degree in naval architecture, he started his engineering career with Vickers Shipbuilders.

Since joining KCA in 1980, Rodnight has been closely involved in the design and development of a heavy-duty semisubmersible drilling unit for operations in hostile conditions and supervision of the engineering, construction, and the commissioning of KCA's dynamically positioned drillship, Polly Bristol. He is currently providing advisory services to British Shipbuilders during the construction of a GVA 4000 semisubmersible drilling unit. Rodnight is a Chartered Engineer and a Member of the Royal Institution of Naval Architects. ■

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a 10/64-in. choke with 11,500 psi tubing pressure. Calculated open flow potential is 66 MMcfd. Completion is in a Second Britt sandstone with perforations at 19,262-82 ft.

In Texas, meanwhile, the company completed a new field discovery in its Matagorda Island Block 629 field offshore Calhoun County. The NW-4 No. 4 well tested 3.7 MMcfd of gas through a 16/64-in. choke with 2,008 psi tubing pressure. Perforations are at 5,634-54 ft in a Lower Miocene gas sand.

African Drillers Pace Free World Slump

An 11% decline in Free World drilling activity during the July 1982 to July 1983 period was led by Africa's loss of 81 active rigs – 50 of which can be traced to Algeria.

Other big losers during the period include Europe, down 60 rigs, and Latin America, off 65 rigs. The Far East, on the other hand, picked up 26 active rotaries and the Middle East gained two.

The International Rotary Rig Report, prepared each month by Hughes Tool Co., reflects a loss of 194 rigs during the July-to-July period for an average of 16 rigs per month. The decline from June 1983 to July 1983, however, was only six rigs.

International Rotary Rig Report prepared by Hughes Tool Co.

(Figures in parentheses indicate how many of each country's rigs are offshore rigs.)

	July 1982	June 1983	July 1983
Africa			
Algeria	90	50	40
Angola	13(10)	12(10)	14(12)
Benin	1(1)	1(1)	1(1)
Cameroun	7(6)	5(5)	5(5)
Chad	1	0	0
Gabon	11(9)	8(8)	7(7)
Guinea	1(1)	0	0
Ivory Coast	4(4)	2(2)	2(2)
Libya	28(1)	19(1)	27(2)
Morocco	5	8	5
Niger	1	0	0
Nigeria	30(13)	18(7)	18(7)
Rep. of Congo	7(6)	5(5)	4(4)
Rep. of Zaire	2(1)	1	1
Senegal	1	0	0
Sierra Leone	1(1)	0	0
South Africa	2(2)	2(2)	2(2)
Sudan	2	5(1)	5(1)
Tanzania	0	1	1
Tunisia	11(3)	7	5(2)
	218(58)	144(42)	137(45)
Europe			
Austria	8	10	9
Denmark	2(2)	5(4)	5(4)
France	19	15(1)	19(1)
Germany	31	24	24
Greece	4(2)	3(1)	3(1)
Holland	23(15)	16(10)	16(10)
Ireland	1(1)	3(3)	3(3)
Italy	43(7)	27(9)	20(5)
Norway	12(12)	9(9)	10(10)
Portugal	1	1	1
Spain	11(5)	6(3)	8(3)
Switzerland	1	0	0
United Kingdom	59(58)	41(38)	41(38)
Yugoslavia	25	25	21(2)
	240(102)	185(78)	180(77)
Far East			
Bangladesh	7	2	2
Brunei	8(6)	10(7)	10(7)
Burma	33	41(1)	41(1)
India	51(11)	56(14)	56(14)
Indonesia	82(33)	90(23)	91(24)
Japan	19	18(2)	23(2)
Malaysia	12(12)	9(9)	9(9)
Pakistan	16	17	17
Philippines	15(3)	8	9
Taiwan	6	11(1)	11(1)
Thailand	8(5)	15(8)	14(7)
	257(70)	277(65)	283(65)
Latin America			
Argentina	62(1)	75	80
Barbados	1	1	1
Bolivia	12	8	8
Brazil	95(30)	85(32)	81(31)
Chile	7(3)	6(3)	6(3)
Colombia	26	16	15
Costa Rica	0	1	1
Ecuador	5(1)	5	4
Guatemala	3	1	1
Mexico	194(23)	189(27)	188(26)
Peru	24(6)	16(6)	17(6)
Trinidad	14(6)	8(3)	8(3)
Venezuela	71(18)	40(11)	41(11)
	516(88)	451(82)	451(80)
Middle East			
Abu Dhabi	42(24)	39(26)	34(23)
Bahrain	1	1	2
Dubai	3(2)	4(4)	7(5)
Egypt	39(25)	38(22)	31(17)
Iran	0	7(1)	19(2)
Iraq	5	25	25
Jordan	0	3	3
Kuwait	5	6	5
Oman	14(2)	10	8
Qatar	6(3)	5(3)	4(2)
Ras Al Khaimah	1(1)	0	0
Saudi Arabia	26(10)	25(11)	29(14)
Sharjah	3	1	1
Syria	15	14	14
Turkey	43	23	24
Umm Al Qaiwain	1	1	1
	205(67)	202(67)	207(63)
South Pacific			
Australia	36(9)	23(12)	18(6)
Fiji	1	0	0
New Zealand	1	2	2
Papua New Guinea	0	2(1)	2(2)
	38(9)	27(13)	22(8)
Totals	1,474 (394)	1,286 (347)	1,280 (338)

Relief Well Is Producer

A relief well drilled by Crawford Energy Inc. to control its Kyle No. 1 discovery well, which blew out in Hardeman County, Texas, in March 1982, has been converted to a significant producer.

The well, Kyle No. 3, located 10½ miles northeast of Quanah, tested 471 b/d of oil through a 14/64-in. choke with flowing tubing pressure of 1,550 psi.

The initial well, Kyle No. 1, blew out during a drill stem test while drilling below 8,500 ft in the Mississippian formation. It burned for about 2 weeks.

Henry Energy Tests Texas Discovery

Henry Energy Corp.'s discovery well in Cooke County, Texas, flowed 264 b/d of oil through a 16/64-in. choke from a zone at 2,733-82 ft.

"Working Man's Show" Set For October 19

This year's Louisiana Gulf Coast Oil Exposition, the "working man's oil show", is scheduled to be held October 19 through 22 at the Blackham Coliseum in Lafayette, La.

Jack Eaton of Auto-Comm Engineering Corp., and chairman of this year's show, says that outside exhibit space has been added to accommodate what is expected to be "another sellout year" for the biennial event. Cochairman of Lagcoe is Jerry Artigue, Dynamic Exploration Inc., and Granvel Salmon is the executive director and treasurer. Sally Ware is executive secretary.

The 1983 show is the 15th of the Gulf Coast oil expositions, which date back to 1955. The show is held every other year so as not to conflict with the Permian Basin Oil Show in Odessa, Tex. That is also a biennial event.

Templeton Completes Texas Gas Discovery

Templeton Energy Inc.'s Katy Gas Unit well No. 1 in Harris County, Texas, tested 4.5 MMcfd of natural gas through a 14/64-in. choke with flowing tubing pressure of 4,400 psi from perforations in the First Wilcox sand at 10,565-86 ft. The well is the first discovery on a 1,400-acre prospect.

Tucker Wildcat In Sterling County

Tucker Drilling Co.'s Terry 109 No. 1 wildcat in Sterling County, Texas, tested 306 b/d of oil on a potential test with a gas-oil ratio of 105:1.

The test was run on an 8/64-in. choke from Ellenburger perforations at 8,246-68 ft.

Development Well Is Wyoming Gasser

A development well completed by Energetics Inc. in the Monument Butte Area, 30 miles southeast of LaBarge in Sweetwater County, Wyoming, tested

Improved refining, marketing operations boost earnings

The earnings picture brightened slightly during the second quarter of 1983, a welcome change for the oil industry after months of unprofitable reports.

Improved refined product margins, increased overseas oil and gas production, and an overall firming of prices are the primary reasons for the marked improvement.

The 94 oil companies responding to our survey report net income of $5.3 billion, a 9% increase over the same period in 1982. Profit margin for the group for the first and second quarters dropped to 3.6% from 3.8% last year.

Improved refining and marketing profit and reduced overhead expenses helped Exxon post a 26.6% earnings gain.

Atlantic Richfield's 4% drop in net income for the quarter was a result of a decrease in inventory profit, lower crude prices, and higher production and exploration expenses.

A 55% decline at Ashland Oil was blamed on lower profit margins from its largest business, oil refining and marketing, as well as continued impact of the recession on its chemicals, construction, and engineering and technology operations.

Getty Oil's earnings benefited from lower domestic and foreign exploratory costs, increased domestic crude-oil production, and higher earnings from insurance operations. Earnings for the quarter increased 4.5%.

Lower Mideast crude oil prices and improvements in refining and marketing operations world-wide combined for a 40% increase in net income at Mobil.

Phillips Petroleum reported 16% higher second quarter earnings, due primarily to higher natural gas liquids production, improved prices for natural gas and natural gas liquids, and increased crude oil production.

Standard Oil of California posted a 40% increase in net income, mainly as a result of firming of depressed petroleum product prices, the impact of reduced exploration expenses, and the acquisition of foreign crude oil on more competitive terms.

Standard Oil (Indiana) attributed 11.5% higher second quarter earnings to improved refined product margins and increased production of crude oil and natural gas overseas. Partially offsetting these gains were reduced market prices for crude oil and lower output of natural gas in the U.S.

Standard Oil (Ohio) reported slightly higher earnings, due to recovery of refining and marketing margins and increased volumes. The second quarter also benefited from anticipated first quarter sales of Alaskan crude oil which shifted into the second quarter because of delays in delivery.

Lower marketing and administrative expenses in Sun's U.S. refining and marketing operations resulted in a 23% earnings gain.

Tenneco reported slightly higher earnings even though its energy operations were hurt by a drop in

GAS COMPANIES' SECOND QUARTER FINANCIAL REPORTS

	Three months ending June 30						Six months ending June 30						Profit Margin	
	Revenues ($MIL)			Earnings ($MIL)			Revenues ($MIL)			Earnings ($MIL)				
Company	1983	1982	%CHG	1983	1982	%CHG	1983	1982	%CHG	1983	1982	%CHG	1983	1982
Alabama Tennessee N.G.	30.2	29.7	1.4	1.4	1.3	4.1	73.4	67.0	9.5	3.0	3.0	0.8	4.1	4.5
American Nat. Resources	744.5	683.4	8.9	31.4	33.2	-5.4	1727.0	1746.7	-1.1	92.3	94.5	-2.3	5.3	5.4
ARKLA[1]	322.8	307.0	5.1	27.6	27.0	2.3	1324.1	1242.8	6.5	82.9	93.2	-11.1	6.3	7.5
Coastal Corp.	1382.6	1336.1	3.5	31.1	15.8	96.8	2942.9	2900.7	1.5	45.2	21.8	107.1	1.5	0.8
Columbia Gas	964.5	994.3	-3.0	25.7	38.8	-33.7	2721.0	2869.8	-5.2	92.3	131.1	-29.6	3.4	4.6
Consolidated Natural Gas	726.3	628.7	15.5	30.2	25.3	19.6	1943.4	1829.2	6.2	134.5	111.9	20.2	6.9	6.1
The El Paso Company	984.3	1051.7	-6.4	22.9	18.2	25.6	2207.1	2107.3	4.7	37.1	39.4	-5.7	1.7	1.9
ENSERCH	802.2	901.5	-11.0	9.8	36.1	-72.8	1793.8	1905.9	-5.9	49.0	93.3	-47.4	2.7	4.9
Equitable Gas	95.6	78.5	21.8	13.7	4.3	221.1	428.6	407.7	5.1	37.5	36.8	1.9	8.7	9.0
Houston Natural Gas[2]	696.7	785.2	-11.3	47.7	63.5	-24.9	2239.9	2452.4	-8.7	163.9	202.7	-19.1	7.3	8.3
InterNorth	1058.1	718.2	47.3	32.2	24.9	28.9	2417.9	2167.5	11.6	134.1	133.3	0.6	5.5	6.1
KN Energy[1]	107.2	95.7	11.9	4.6	3.0	51.9	494.9	484.6	2.1	27.5	27.8	-0.8	5.6	5.7
Mountain Fuel Supply[1]	362.0	299.7	20.8	41.5	34.3	21.1	616.0	516.9	19.2	55.6	42.7	30.3	9.0	8.3
National Fuel Gas[3]	211.8	184.7	14.7	5.4	-0.1		891.7	851.2	4.8	30.5	37.2	-18.0	3.4	4.4
Northwest Energy	459.6	297.1	54.7	-0.4	1.8		1263.1	784.0	61.1	32.2	32.9	-2.1	2.6	4.2
NOVA, An Alberta Corp.	922.4	858.1	7.5	36.5	31.0	17.7	1989.0	1588.0	25.3	69.1	58.4	18.3	3.5	3.7
ONEOK Inc.	254.4	252.5	0.7	9.3	10.8	-14.4	602.0	626.4	-3.9	20.7	33.8	-38.7	3.4	5.4
Pacific Lighting	1080.9	1006.7	7.4	41.7	32.5	28.3	2348.0	2181.2	7.6	74.2	61.2	21.1	3.2	2.8
Panhandle Eastern	732.8	792.4	-7.5	26.9	62.6	-57.0	1767.1	1749.1	1.0	88.5	136.0	-34.9	5.0	7.8
Peoples Energy	386.6	322.2	20.0	12.8	6.6	93.9	1316.5	1391.3	-5.4	51.3	58.2	-11.9	3.9	4.2
Pioneer Corp.	258.5	254.8	1.5	20.1	16.6	20.8	547.2	577.2	-5.2	41.6	46.5	-10.5	7.6	8.1
Sonat Inc.	580.7	611.4	-5.0	52.6	49.1	7.1	1426.9	1427.0	-0.0	118.2	112.3	5.2	8.3	7.9
Southern Union Co.	242.0	249.4	-3.0	2.8	1.2	128.7	587.7	593.9	-1.0	16.7	14.3	16.8	2.8	2.4
Texas Eastern Corp.	1254.7	1412.0	-11.1	31.0	42.8	-27.6	2714.1	2836.6	-4.3	68.6	104.7	-34.5	2.5	3.7
Texas Gas Resources	640.3	673.3	-4.9	4.8	28.4	-83.0	1431.9	1456.6	-1.7	29.6	58.2	-49.1	2.1	4.0
TransCanada Pipelines	715.8	794.6	-9.9	38.7	31.4	23.3	1639.3	1815.1	-9.7	85.1	70.1	21.4	5.2	3.9
Transco Energy Co.[1]	885.5	964.1	-8.1	24.9	41.8	-40.5	4040.7	3585.9	12.7	113.0	147.7	-23.5	2.8	4.1
Union Gas Ltd.	264.3	227.4	16.2	3.7	3.6	2.5	672.9	623.2	8.0	21.3	27.9	-23.8	3.2	4.5
United Energy Resources	872.7	1375.1	-36.5	12.3	54.2	-77.4	2132.5	2950.0	-27.7	51.9	118.4	-56.2	2.4	4.0
Westcoast Transmission	178.0	215.6	-17.4	15.9	18.2	-12.6	510.0	639.9	-20.3	33.1	37.7	-12.2	6.5	5.9
TOTAL	18217.9	18401.3	-1.0	658.7	758.2	-13.1	46810.4	46375.1	0.9	1900.7	2186.8	-13.1	4.1	4.7

[1] Twelve months [2] Nine months ending April 30 [3] Ends May 31

OIL COMPANIES' SECOND QUARTER FINANCIAL REPORTS

Company	Three months ending June 30: Revenues ($MIL)			Earnings ($MIL)			Six months ending June 30: Revenues ($MIL)			Earnings ($MIL)			Profit Margin	
	1983	1982	%CHG	1983	1982	%CHG	1983	1982	%CHG	1983	1982	%CHG	1983	1982
Adams Resources & Energy	33.2	59.1	-10.0	1.6	1.3	27.8	93.4	105.5	-11.5	6.6	0.6	1002.0	6.7	0.4
Adobe Oil & Gas	41.6	49.9	-16.9	5.4	5.8	-6.6	83.1	103.7	-19.9	11.1	11.7	-5.2	13.4	11.3
Amerada Hess	1903.7	1780.4	6.9	68.2	61.1	11.7	3768.0	4153.6	-9.8	73.2	44.9	63.0	2.0	1.1
American Petrofina	594.1	608.0	-2.3	8.6	10.9	-21.0	1018.4	1183.2	-13.9	8.9	26.9	-66.8	0.9	2.3
American Quasar	9.2	13.6	-32.5	-3.2	-0.5		20.7	28.4	-27.1	-3.7	1.5			5.1
Anglo Energy[1]	33.5	43.7	-23.4	-41.1	-1.6		114.7	154.6	-25.8	-62.5	8.3			5.3
Argo Petroleum	4.8	5.3	-9.6	-0.5	-0.8		10.1	11.0	-8.9	-1.3	-1.4			
Asamera	97.8	109.8	-10.9	1.7	0.7	137.5	186.7	223.2	-16.4	-3.9				
Ashland Oil[1]	2035.5	2199.4	-7.5	31.0	69.1	-55.2	5888.7	6779.3	-13.1	45.6	105.0	-56.6	0.8	1.5
Atlantic Richfield	6606.3	6915.9	-4.5	393.4	409.8	-4.0	12968.7	13450.6	-3.6	723.7	795.2	-9.0	5.6	5.9
Beard Oil	7.0	9.7	-28.0	-0.8	0.2		15.4	18.8	-18.4	-1.1	0.6			3.4
Buttes Gas & Oil	31.9	29.6	7.7	0.3	-1.3		64.1	83.7	-23.4	1.4	0.7	87.3	2.2	0.9
Callon Petroleum[2]	22.9	16.7	37.3	0.3	2.1	-83.6								
Commonwealth Oil Refining	4.8	101.9	-93.3	-3.6	2.6		17.7	266.1	-93.3	-3.8	-15.3			
Consolidated O & G	9.2	10.0	-8.3	0.5	-0.1		18.7	21.6	-13.3	-0.7	-2.3			
Crown Central Petroleum	352.2	415.6	-15.3	3.6	-3.2		699.7	829.2	-15.6	-7.2	-6.8			
Crystal Oil	45.1	45.1		-0.9	-1.1		96.1	106.1	-11.3	-1.3	-1.9			
Damson Oil[1]	22.3	21.1	6.0	2.2	2.0	7.9	64.4	51.8	24.4	6.8	4.8	40.9	10.6	9.3
Diamond Shamrock	978.4	857.7	14.1	26.3	31.9	-17.7	1833.8	1648.8	11.2	30.9	61.1	-49.4	1.7	3.7
Dorchester Gas[3]	283.8	376.2	-24.6	3.2	4.3	-25.8	1110.3	805.5	37.8	11.4	13.8	-17.1	1.0	1.7
Dyco Petroleum	10.9	14.3	-23.3	1.9	3.9	-52.2	23.7	28.5	-17.1	4.2	7.8	-46.0	17.9	27.6
Energy Reserves Group	34.6	39.6	-12.5	2.9	-0.9		73.0	81.8	-10.7	6.4	-0.3		8.8	
Enstar Corp.	58.8	84.4	-30.3	2.0	9.0	-77.8	152.6	179.5	-15.0	13.2	19.5	-32.3	8.7	10.9
Equity Oil	5.3	5.7	-7.2	1.1	0.5	134.0	10.8	11.8	-7.8	2.2	1.7	31.0	20.6	14.5
Exeter Oil	1.1	1.1	0.4	0.2	0.2	-5.9	2.2	2.1	1.3	0.3	0.4	-17.5	13.7	16.8
Exxon	22881.0	25121.0	-8.9	1075.0	849.0	26.6	46586.0	51962.0	-10.3	2135.0	1688.0	26.5	4.6	3.2
Felmont	17.7	21.2	-16.3	2.5	4.3	-42.3	39.2	39.2	-0.1	6.7	7.1	-6.0	17.1	18.2
Forest Oil Corp.	29.5	36.8	-19.7	1.4	1.8	-24.6	66.4	75.9	-12.4	5.4	5.2	3.0	8.1	6.9
Freeport McMoRan	186.2	175.0	6.4	19.6	15.6	25.9	390.4	369.9	5.5	40.5	41.9	-3.4	10.4	11.3
Galaxy Oil	3.0	3.5	-13.9	-0.6	-0.8		6.3	6.9	-8.5	-1.0	-1.4			
Getty Oil	3006.6	3108.5	-3.3	163.7	156.6	4.5	6025.5	6269.2	-3.9	321.3	336.2	-4.4	5.3	5.4
Gulf Energy & Dev.	27.9	18.8	48.6	1.0	1.1	-3.6	58.0	34.2	69.6	2.3	1.5	52.7	3.9	4.4
Gulf Oil Corp.	6987.0	7416.0	-5.8	223.0	227.0	-1.8	13885.0	14951.0	-7.1	405.0	515.0	-21.4	2.9	3.4
Hadson Petroleum	7.2	8.8	-17.6	1.8	4.0	-54.6	11.9	19.3	-38.2	2.9	9.2	-68.9	24.0	47.7
Hadson Petroleum	7.2	8.8	-17.6	1.8	4.0	-54.6	11.9	19.3	-38.2	2.9	9.2	-68.9	24.0	47.7
Hamilton Bros. Petroleum	30.5	34.8	-12.4	7.5	-1.6		76.1	89.0	-14.5	10.9	4.3	151.7	14.6	4.9
Harken Oil & Gas	1.4	1.2	22.5	1.6	-0.5		2.9	2.6	10.5	1.3	-0.8		46.3	
Helmerich & Payne	51.8	89.0	-41.8	10.6	18.6	-43.0	184.7	279.5	-33.9	37.2	62.2	-40.1	20.2	22.2
Hershey Oil	1.8	1.8	-0.2	0.1	0.1	17.5	3.6	3.6	-0.2	0.4	0.4	19.9	11.7	9.7
Holly Corp[6]	113.1	107.2	5.5	2.0	1.4	40.4	239.0	238.4	0.3	5.0	7.2	-30.5	2.1	3.0
Howell Corp.	33.3	63.9	-47.9	0.3	0.8	-66.8	73.9	130.8	-43.5	0.4	1.6	-77.0	0.5	1.2
Howell Petroleum	15.7	20.9	-24.9	2.0	2.5	-19.1	38.0	43.7	-13.0	4.5	4.5	-0.5	11.8	10.3
Inexco Oil	43.4	55.7	-22.1	3.1	4.4	-29.9	86.0	118.5	-27.5	5.8	12.0	-51.9	6.7	10.1
KRM Petroleum	0.9	1.3	-29.9				2.0	2.7	-26.9		0.2			6.2
Lear Petroleum	55.1	48.2	14.2	4.0	0.5	712.7	109.2	102.9	6.1	8.7	-1.3	-783.0	7.9	-1.3
Louisiana Land & Exp.	311.0	310.4	0.2	24.3	20.4	19.0	564.3	614.7	-8.2	50.9	33.8	50.4	9.0	5.5
Mapco Inc.	507.9	481.8	5.4	11.0	17.9	-38.4	977.3	962.7	1.5	20.8	33.9	-38.6	2.1	3.5
May Petroleum	6.4	7.5	-15.2	-0.1	0.3		15.1	15.1	0.3	-1.7	1.0			6.5
Maynard Oil	6.6	8.1	-18.5	-1.4	-1.7		15.5	19.5	-20.4	-1.7	-0.6			
McFarland Energy	3.8	3.7	2.3	1.0	0.8	20.2	7.6	7.5	1.3	1.9	1.8	9.1	25.7	23.8
Mesa Petroleum	101.2	99.8	1.4	18.1	35.9	-49.7	207.9	204.0	1.9	58.8	69.1	-14.9	28.3	33.9
Mobil Corp.	14402.0	15790.0	-8.8	402.0	287.0	40.1	28690.0	32191.0	-10.9	652.0	531.0	22.8	2.3	1.6
Moran Energy	19.9	24.3	-18.3	0.8	1.8	-56.5	43.9	53.4	-17.8	2.2	5.9	-63.1	5.0	11.1
Murphy Oil	618.2	598.6	3.3	40.4	41.7	-3.2	1329.2	1362.9	-1.0	68.2	75.1	-9.1	5.1	5.6
Natomas	423.5	405.7	4.4	39.6	46.3	-14.6	770.1	795.3	-3.2	33.0	96.2	-65.7	4.3	12.1
Noble Affiliates	70.3	107.7	-34.7	5.9	20.2	-71.1	147.8	222.4	-33.5	12.9	42.7	-69.7	8.7	19.2
Morris Oil	0.7	0.7	10.1	0.1	0.1		1.4	1.3	8.0	0.1	0.1		6.9	7.5
Nugget Oil Corp.	9.7	7.0	38.3	6.8	0.8	740.9	0.6	3.7	-82.6	6.7	0.3	2027.6	1040.7	8.5
Oxoco	11.0	8.9	23.8	2.2	1.7	23.5	22.6	16.4	38.4	4.2	3.4	22.1	18.5	21.0
Patrick Petroleum	16.4	24.8	-33.9	-2.0	-1.7		34.9	49.9	-30.0	-1.9	-1.7			
Peninsula Resources	2.3	3.6	-35.4	-2.0	-1.8		4.6	10.1	-54.7	4.0	2.4	67.8	86.9	23.5
Pennzoil Co.	567.4	588.7	-3.6	28.3	43.8	-35.3	1127.2	1175.9	-4.1	68.6	82.7	-17.0	6.1	7.0
Petroleum Devel.	3.0	4.0	-24.9	0.1	-0.1		8.3	6.3	33.5	0.4	-0.4		4.5	
Phillips Petroleum	3789.0	4028.0	-5.9	169.0	146.0	15.8	7426.0	7833.0	-5.2	298.0	338.0	-11.8	4.0	4.3
Prairie Producing Co.	4.8	6.4	-25.7	0.9	0.7	33.8	9.4	13.5	-30.6	1.5	2.1	-27.6	16.4	15.7
Quaker State	245.6	249.2	-1.5	12.1	14.0	-13.9	458.8	473.2	-3.0	18.2	19.8	-8.1	4.0	4.2
Sabine Corp.	25.6	48.7	-47.3	3.2	7.7	-58.8	58.2	96.5	-39.7	29.2	13.4	118.2	50.2	13.9
Seneca Oil	3.8	5.3	-29.1	2.0	1.3	58.9	8.9	10.8	-17.9	-3.3	-1.9			
Shell Oil	4872.0	5105.0	-4.6	390.0	380.0	2.6	9517.0	9947.0	-4.3	636.0	724.0	-12.2	6.7	7.3
Southland Royalty	79.8	92.9	-14.1	6.4	8.8	-27.2	162.2	187.7	-13.6	15.1	16.8	-9.9	9.3	8.9
Standard California	7092.0	9370.0	-24.3	368.0	263.0	39.9	14087.0	19390.0	-27.3	678.0	493.0	37.5	4.8	2.5
Standard Indiana	7422.0	7558.0	-1.8	426.0	382.0	11.5	14882.0	14723.0	1.1	825.0	852.0	-3.2	5.5	5.8
Standard Ohio	3101.0	3379.0	-8.2	476.0	473.0	0.6	5867.0	6996.0	-16.1	753.0	928.0	-18.9	12.8	13.3
States Petroleum[5]	3.5	3.7	-6.9	-0.7	0.8	-185.0	6.5	7.1	-8.8	-0.7	1.4			19.3
Summit Energy	1659.3	2152.2	-22.9	-155.3	-40.0		3689.7	4442.0	-16.9	-84.5	46.4			1.0
Sun Co.	3780.0	4160.0	-9.1	134.0	109.0	22.9	7520.0	8210.0	-8.4	223.0	232.0	-3.9	3.0	2.8
Superior Oil	418.6	505.9	-17.3	36.7	76.9	-52.2	876.1	1036.6	-15.5	60.4	160.3	-62.3	6.9	15.5
Tenneco	3566.0	3686.0	-3.3	189.3	188.5	0.4	7175.0	7452.0	-3.7	284.4	301.9	-5.8	4.0	4.1
Tesoro Petroleum[1]	712.2	556.3	28.0	10.6	16.7	-36.6	1829.8	1806.2	1.3	23.1	30.6	-24.6	1.3	1.7
Texaco Inc.	9900.0	11500.0	-13.9	327.0	305.0	7.2	20100.0	24500.0	-18.0	646.0	672.0	-3.9	3.2	2.7
Texas American Energy	43.3	45.1	-4.1	-1.8	-1.8		116.7	114.8	1.6	1.4	0.2	713.6	1.2	0.1
Texas International	41.3	45.7	-9.5	4.0	3.7	8.1	76.3	90.4	-15.6	4.2	7.0	-39.7	5.5	7.7
Tosco Corp	748.6	827.2	-9.5	-194.5	106.7		1673.7	1650.2	-10.7	241.1	107.2	124.9	16.4	6.5
Total Petroleum N.A.	509.7	551.7	-7.6	-16.5	-5.4		1010.8	1096.1	-7.8	-53.6	0.8			0.1
Transcontinental Energy	6.2	13.7	-54.7	3.7	0.5	717.7	15.6	30.0	-48.2	7.4	0.7	924.3	47.9	2.4
Union California	2807.0	2909.7	-3.5	139.4	197.6	-29.5	5281.0	5391.3	-2.0	267.7	366.1	-26.9	5.1	6.8
Universal Resources	11.2	14.5	-22.8	-0.6	2.2	-128.4	23.8	31.6	-24.7	-1.3	5.2	-126.0	-5.3	16.6
Wainoco Oil	10.0	12.7	-21.3	0.1	-3.7		22.9	26.3	-12.9	1.2	-6.4		5.1	
Wichita Industries	2.1	2.9	-28.1	0.2	0.2	-6.1	4.2	5.0	-16.7	0.2	-0.2		5.8	
Wilshire Oil of Texas	2.2	3.3	-32.9	0.4	0.4	19.7	5.0	6.3	-20.6	1.2	0.6	83.9	23.5	10.2
Wiser Oil	11.6	12.0	-3.0	2.4	3.5	-32.6	25.8	25.8		6.3	7.1	-11.5	24.5	27.7
Woods Petroleum	16.7	20.8	-19.7	3.0	5.9	-49.2	35.2	41.2	-14.5	7.7	11.7	-33.9	21.9	28.3
Worldwide Energy	21.3	12.2	74.1	-2.8	-0.9	221.8	38.9	26.4	47.5	-1.4	-1.0	39.9	-3.6	-3.8
TOTAL	114753.1	125522.7	-8.6	4934.8	5053.3	-2.3	232024.4	258472.8	-10.2	9726.3	10091.7	-3.6	4.2	3.9

[1] Nine months. [2] Year ends May 31. [3] Ends May 31. [4] Ends Jan. 31. [5] Ends April 30. [6] Ends Sept. 30.

natural gas production, an industry wide surplus of gas, and a soft market.

Firming of spot market prices for crude oil and OPEC's establishment of production ceilings boosted Texaco's earnings 7% over the previous year.

Lower domestic natural gas production and prices and sagging earnings performances by its refining, marketing and chemical operations accounted for Union Oil of California's 30% drop in net income.

Adobe Oil & Gas posted a 6.6% drop in earnings due to a slowdown in exploration.

A decline in the volume of natural gas produced, reflecting curtailments by pipeline purchasers, was primarily responsible for American Petrofina's 21% decline in net income.

Anglo Energy reported a $41 million loss for the quarter as a result of disposition of various operating units in the Supply and Equipment Division and a write-down of oil and gas properties.

A decline in oil and gas sales as well as drilling and well servicing revenues adversely affected Beard Oil's second quarter results, posting a $1.1 million loss.

Crown Central Petroleum realized a net profit of $3.9 million compared to a net loss in 1982. Improvement was due mainly to increases in margins for refined products.

Economic pressures in the petroleum industry continued to hamper Crystal Oil's operations, resulting in a net loss for the quarter.

Enstar's 78% drop in earnings was due principally to curtailed liquefied natural gas production and lower oil and LNG prices in Indonesia.

A decline in natural gas production was blamed for Forest Oil's 25% decline in net income.

The decreased demand for natural gas also hindered Gulf Energy & Development's second quarter earnings which dropped 3.6%.

Howell Corp.'s 67% decline in net income resulted from continued weakness of conventional fuel product prices.

A decrease in dry holes and exploratory charges combined to produce a 19% increase in earnings at Louisiana Land & Exploration.

Mesa Petroleum reported net income of $15.1 million compared to $32.2 million last year.

Losses sustained by contract drilling operations were primarily responsible for Moran Energy's 56% decrease in earnings.

Natomas said its 14.5% drop in net income was due to increased Indonesian finding and development costs, as well as lower petroleum prices and production.

Net earnings declined 71% at Noble Affiliates as a result of decreases recorded by three operating units: oil and gas, contract drilling, and trucking.

Sharply lower coal sales, reduced oil and gas sales, and a materials inventory write-down were major contributors to the loss reported by Patrick Petroleum.

Pennzoil said reduced natural gas sales and pipeline delays in calculating and paying amounts contractually owed because of reduced 1982 takes adversely affected second quarter earnings which dropped 35%.

Lower depreciation and amortization due to higher estimated recoverable reserves of oil and gas increased Prairie Producing's net income 34%.

Southland Royalty's earnings dropped 27% due to continued reduced demand for natural gas.

Superior Oil's second quarter earnings were hampered by lower domestic oil and gas prices and volumes, and dry hole costs significantly above those of last year. Net income fell 52%.

(Continued)

Tosco posted a net loss of $194.5 million for the quarter due to noncash charges for revaluations of assets at the company's Duncan, Okla. and Bakersfield, Calif. refineries which are for sale.

Wainoco Oil turned a net loss in 1982 into a $101,000 gain in 1983 due to lower depreciation and depletion, reduced interest charges, and lower general and administrative costs.

The 30 gas companies responding to our survey reported a 10% decline in net income for the second quarter as a result of lower natural gas demand. Profit margin for the group remained unchanged from the 3.9% posted last year.

American Natural Resources said its 159% increase in earnings was achieved mainly by transporting additional gas for others, implementing operating efficiencies, and establishing lower prices for purchases of deregulated gas.

Coastal Corp. reported a 97% increase in net income reflecting increased margins in its refining and marketing segment and the addition of the Wyoming Interstate gas pipeline system.

Colder weather in the Consolidated Natural Gas operating area is the main reason for their 20% increase earnings.

The nationwide excess deliverability of natural gas continued to supress Enserch's natural gas sales and associated production of condensate and gas liquid, reducing income 73%.

KN Energy said higher rates helped offset the decline in gas sales on the interstate system, resulting in 52% increase in earnings.

Peoples Energy's net income for the quarter was aided by higher rates and colder weather. Earnings increased 21%.

The main reason for Pacific Lighting's improved results this quarter were improvements in utility and energy-related operations. Net income rose 28%.

Lower prices for North Sea crude oil and weak overall fuel demand stemming from a sluggish U.S. economy continued to adversely affect Texas Eastern's earnings, causing 28% decrease.

United Energy Resources' operations were adversely affected by the economy and the current excess deliverability of gas supply, as net income dropped 77%. ■

FINANCIAL NOTEBOOK

Capital appropriations by the petroleum industry in the second quarter fell 17.6% from the first quarter. Appropriations by nonpetroleum firms increased 14.7% for the quarter, according to The Conference Board.

Capital spending by the industry was $5.2 billion, down 3.3% from the previous quarter. Spending prospects for 1983 continue to be weak, they report, with petroleum outlays expected to dip by 23%, compared to a 7% drop by nonindustry manufacturers.

Cancellations and adjustments of previously approved appropriations amounted to $949 million in the second quarter, mostly in the petroleum industry.

Contracts. C F Braun was awarded a subcontract to design a process plant to produce liquefied petroleum gas at Tanjung Ugan, Indonesia by Nippon Steel. Toyo Menka Kaisha and Nippon Steel hold the prime contract with Pertamina, the Indonesian state oil company, and are responsible for procurement and construction.

Shell UK Exploration and Production awarded an offshore oilfield service contract to Gearhart Geodata Services (Aberdeen, Scotland). Contract involves the provision of high-technology "measurement while drilling" services by Gearhart to the majority of Shell's North Sea rigs and production platforms.

Total Oil Marine (France) awarded a $68 million contract to a joint venture Scottish shipyard to build a North Sea oil platform.

Zamel & Turbag/Brown & Root Al Khobar (Saudi Arabia) signed contracts with Aramco to provide construction management for various projects in the Eastern Province at Dhahran.

Texas International signed a contract with Celeron (Goodyear Tire & Rubber) for the transportation and sale of its Eloi Bay Field deep Miocene natural gas.

Ebasco Services (Enserch) was awarded a contract to provide construction and related services for an ongoing maintenance, repair, and modification program at Public Service of Colorado's Fort St. Vrain Nuclear Power Station.

Mergers/acquisitions. Mesa Petroleum agreed to sell its 3.98 million Superior Oil common shares back to Superior at $42/share.

Western Mining Corporation Holdings (Australia) will acquire all of the issued and outstanding shares of Mesa Australia for $35.4 million.

Under a previously announced merger agreement, Gulf Energy & Development became a unit of Penn Central.

Suburban Propane Gas entered into a definitive agreement with Proco Holding under which SPG will merge with a Proco unit.

Properties acquired. Apache Petroleum acquired an average 82% working interest in 34 production oil wells in the Riffe field in north central Kansas for $31.9 million. Interests were acquired from a group of companies including: C.C. & S. Oil Operations (Hayes, Kan.); Search Natural Resources (Denver, Colo.); Colorado Crude Explorations (Denver, Colo.); and Western Energy (Williston, N.D.).

Damson Oil acquired an overriding royalty interest in proved developed reserves estimated to yield 2.49 million bbl of oil from Antelope Co.

Joint ventures. Tenneco Oil Exploration and Production, Philadelphia Life Insurance (Tenneco), and Wilhelm Wilhemsen (Oslo, Norway) agreed to a joint venture under which about 20 vessels will be used to support Tenneco Oil's exploration and production activities in the Gulf.

Projects. Mark Producing announced the fabrication and installation of an 8-pile offshore platform for the drilling and producing of up to 24 oil/gas wells on South Marsh Island off the Louisiana coast.

Briefs. Frontier Pipeline is accepting tenders for shipment through its 290-mile crude petroleum pipeline in Utah and Wyoming.

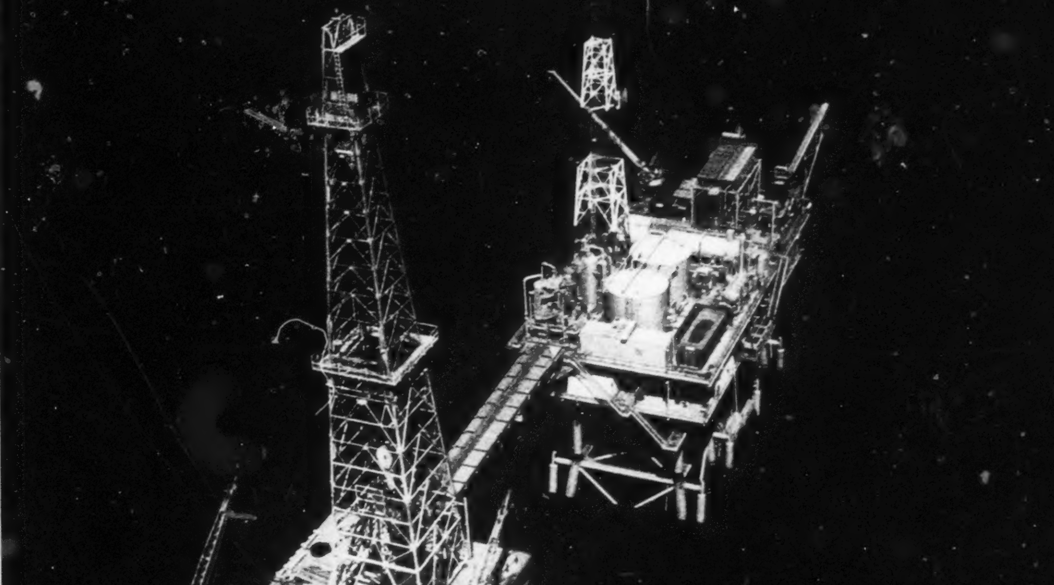
Amoco Production plans an extensive in-fill drilling program to further develop its east and west Hackberry fields in Cameron Parish, La. ■

FALL 1983 INTERNATIONAL

OFFSHORE RIG LOCATOR

Supplement to the October 1983 issue of

Petroleum Engineer INTERNATIONAL



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- Drilling Outlook
- U.S. & International Contractors
- Contractor Addresses
- Rig Locations Worldwide

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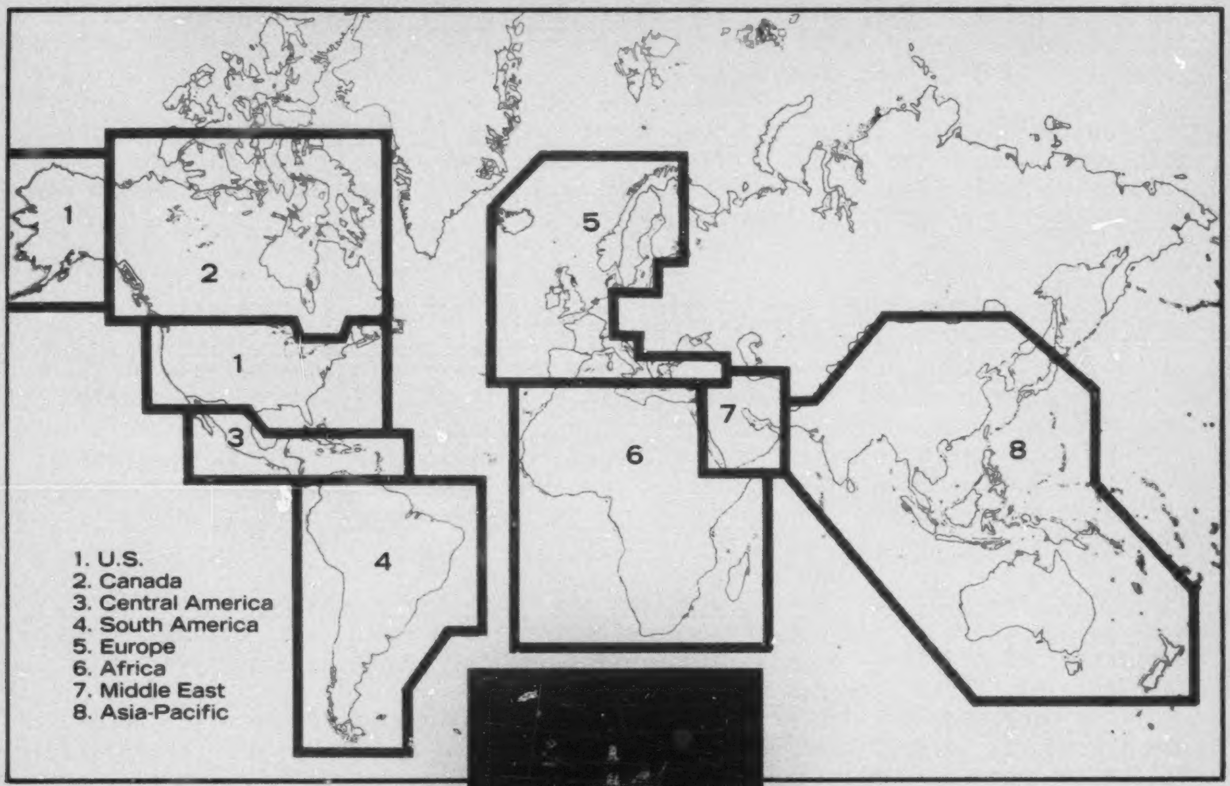
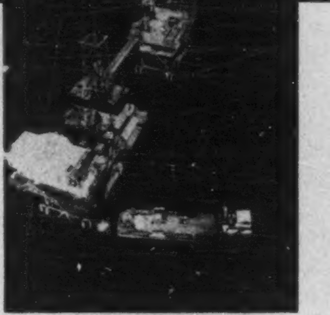
Fall 1983 International

OFFSHORE RIG LOCATOR





(Photo courtesy of Diamond Shamrock Corp.)

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For over a quarter century, drilling contractors have given this magazine Rig Locator data, providing operators who let drilling contracts with mechanical specifications and locations of contract rotary rigs throughout the world. Since the Rig Locator's 1955 origin, other organizations periodically attempt similar concepts, while others shuffle and republish PEI Rig Locator data. This Rig Locator, detailing 123 contractors and 963 offshore rigs, is the most complete presentation of contract offshore drilling rigs published.

Drawworks Manufacturers Abbreviations

Bethlehem Supply Co.	Beth
Bucyrus-Erie Co.	B-E
Cabot Corp Machinery Div.	Cbot
Cardwell Mfg. Co.	Crdw
Challenger	Chal
Continental Emsco	C-E
Cooper Mfg. Corp.	Coop
DeMag Mfg. Co.	DeMg
Ellis-Williams	E-W
Ewbank Mfg. Div. Inc.	Ewb
George E. Failing Co.	Fail
Foramines	Fora
Gardner-Denver	G-D
Hacker Machine & Supply Co.	Hack
Haniel & Lueg	H-L
Hooper Machine Works Inc.	Hoop
Houston Systems	HS
Howard-Turner Machine Works	HT
Ideco Inc.	Idco
Ingersoll-Rand Co.	I-R
Joy Mfg. Co.	Joy
Justiss-Mears Oil Co.	J-M
Lee, Harold Engineering	Lee
Mayhew Supply Co Inc.	May
Mid-Continent Supply	MC
National Supply Co.	Nat
OIME	OIME
Oilwell Div. (U.S. Steel)	Oiwl
OPI Pump Div.	OPI
Quincy Mfg.	Quin
Salzgitter Maschinen Mfg. Co.	Salt
Skytop/Brewster	S/B
Spencer-Harris Machine & Tool Co.	S-H
Superior	Sup
Tri Service Mfg. Co.	TSM
Wagner-Morehouse Inc.	W-M
Walker-Neer Mfg. Co. Inc.	W-N
Weiss Corp.	Weis
Wheland Co.	Whln
Wichtex Machinery Co. Inc.	Wich
Wilson Mfg. Co. Inc.	Wils
Worth Co.	Worth

Drilling Outlook...

With the worldwide offshore rig utilization rate hovering around 75%, the lowest average in years, the offshore drilling industry remains depressed. Some 180 floaters and jackups are idled, waiting for activity to pick up.

The rig construction business is in worse shape. From a peak of 160 jackup and semisubmersible orders in 1980, new orders fell to 12 rigs in 1982--and 1983 isn't any better. Only 50 rigs are under construction today, compared with 130 last January. Heated world competition for the few 1984 orders will put construction yards in a bind to make ends meet.

On the bright side, a good omen for an upturn in offshore drilling is the continued rise in the domestic offshore seismic crew count. According to the Society of Exploration Geophysicists, the count has climbed from 39 crews in May to 49 crews in August, the latest available number.

Other positive signs are starting to emerge from the offshore drilling industry, particularly along the Gulf Coast. Expect activity to increase in the last months of 1983 and beyond as operators begin exploring new acreage offshore Louisiana, Alabama, and Mississippi obtained in the OSC 72 federal lease sale last May.

Many of the 78 companies that successfully bid on 656 tracts were first-timers or independents who could bring new life to the offshore arena, an area dominated by the majors. Nearly one-third of the tracts are in deep waters, which is good news for contractors with floating rigs.

Along the U.S. West Coast, drillers also are finding new opportunities for work as operators accelerate offshore efforts in the Santa Maria Basin. Presently a fleet of 10 drilling vessels is operating in Californian waters--five semisubmersibles, three jackups, and two drillships.

The pace should climb as operators initiate more exploratory drilling on new tracts, as well as continue delineation drilling of some significant discoveries. On the horizon, more platform rigs will be required as companies begin platform installations off Point Arguello in the upcoming years.

Out east, Shell begins its 18-month exploration program off the mid-Atlantic coast in 5,500 to 7,000 ft of water. Using the Discoverer Seven Seas drillship, Shell will take about 4 months to drill its first well in a record 6,448 ft of water.

Although the project puts only one rig to work, offshore drilling technology is being advanced and, with a good strike, could renew interest in the area for other companies holding leases.

Alaska is seeing its share of offshore activity. Several COST wells have been drilled, which should lead to drilling operations in several previously unexplored offshore basins. In the near term, only a few harsh environment semisubmersibles will be required, but demand could jump if initial wells prove successful.

In the Alaskan Beaufort Sea, operators currently are drilling from islands with land rigs, but several companies are scrutinizing mobile caisson drilling unit designs for possible use in some of the deepwater tracts acquired in the $2.06 billion OCS Sale 71 last year. Expect several units to be under construction by the end of 1984.

by Steve Moore, Drilling Editor

The international outlook is brightening in many areas, but some countries stymie efforts with restrictive regulations and unfavorable incentives for oil companies. Regardless, activity should be up in 1984.

Off Canada's east coast, 16 vessels are working, including five drillships. Mobil is moving ahead with development plans for its Venture natural gas field and is also carrying out delineation drilling in the giant Hibernia oil field.

Currently three drillships are working in the Canadian Beaufort Sea. Drilling from islands and caissons will continue this winter. Also, Gulf's Conical Drilling Unit will begin drilling operations this year, with the company's Mobile Arctic Caisson to go into service next year.

After several stagnant years for the industry in the North Sea, activity is on the upswing, thanks in part to new taxation policies by the UK government. The industry is ready to exploit new UK gas fields in the southern North Sea after operators negotiated higher wellhead prices. Other development possibilities include the Tern and Eider fields, held jointly by Shell and Esso.

Norway's eighth round of licensing, which includes blocks north of the 62nd parallel, is promising. Exploration efforts in Irish waters should soar after Gulf's recent strike off Ireland's southeast coast. Denmark, Germany, and Holland are all expanding development drilling programs as new fields are discovered and additional platforms come on stream.

Border disputes between Norway and Russia and Denmark and Sweden are hampering exploration efforts. Early resolution of these border problems seems doubtful, especially if hydrocarbons are found.

In the Mediterranean, significant strikes were hit off Sicily and Tunisia--and delineation drilling plans are in the works.

The Asia-Pacific area remains hot, and steady growth is expected for at least 3 more years. Indonesia dominates the offshore drilling activity in the area, but the Philippines, Thailand, and Singapore are all busy. Rig utilization is off only 4% from a year ago, while wildcatting is on the increase.

Exxon and Shell recently signed contracts with China for the rights to explore two offshore areas covering 2,048 sq miles. More contracts with other companies are forthcoming. Meanwhile, ARCO's wildcat struck natural gas in the South China Sea off the coast of the Hainan Islands.

Elsewhere in the Pacific, Japex Offshore discovered deposits offshore Japan, some 175 miles northwest of Tokyo. Several companies plan to be operating semisubmersibles offshore New Zealand before year's end. And new oil and gas reserves have been discovered off the North West Shelf of Australia.

Regardless of these hot spots, the U.S., where most of the idled rigs are stacked, is pivotal in reviving the offshore industry. Secretary of the Interior James Watt's accelerated federal leasing program--which calls for nearly one billion acres to be offered in 41 sales over 5 years--is a big step in the right direction.

How effective the program is in bringing the offshore industry back to life depends on many things, including state-of-the-art technology, crude oil prices, and environmental restraints brought about by state agencies and civic groups. It now appears the worst of the downturn is over, with the rebound slow but steady.

International Offshore Drilling Contractors

ARABIAN DRILLING CO King St PO Box 708 Dammam Saudi Arabia 8575789
ASSOCIATED MARINE SERV INC 809 Fairview Pl N Seattle WA 98109 206-624-4122
ATLANTIC DRILLING CO LTD 33 St Mary's St Edinburgh EH1 1TN Scotland 031 -557-2323
ATLANTIC PACIFIC MARINE CORP 2425 Fountain View Dr Ste 300 Houston TX 77057 713-783-0910
ATWOOD OCEANICS PACIFIC LTD 15835 Park Ten Place Dr PO Box 218350 Houston TX 77218 713-492-2929
BAWDEN DRILLING (UK) LTD Farburn Industrial Estate Dyce Aberdeen Scotland 44 (224) 724399
BAY DRILLING CORP PO Box 2316 Houma LA 70361 504-872-4888
BLOCKER DRILLING & MARINE CO US Hwy 90 E PO Box 53596 Lafayette LA 70505 318-269-0730
BOKENKAMP DRILLING CO 3131 Briarpark Dr Ste 1050 Houston TX 77042 713-789-0555
BOOKER DRILLING CO PO Box 7244 Metairie LA 70010 504-833-2876
BROUGHTON DRILLING CO 921 Main St Ste 1410 Houston TX 77002 713-759-1844

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CANADIAN MARINE DRILLING LTD PO Box 6800-Postal Station D Calgary AB T2P 0N1 Canada 403-260-5100
CANMAR INTL PO Box 6800-Postal Station D Calgary AB T2P 0N1 Canada 403-260-5100
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CHILES DRILLING CO 1900 West Loop South Ste 1400 Houston TX 77027 713-621-4991
CLIFFS DRILLING CO Two Allen Center Ste 3150 1200 Smith St Houston TX 77002 713-651-9426
COSIFOR 90 Avenue des Ternes 75017 Paris France (1) 574 35 79
CRC MALLARD WELL PO Drawer 51498 OCS Lafayette LA 70505 318-233-4922
DEUTSCHE TIEFBOHR AG Dellmannstrasse 1 PO Box 75 4444 Bad Bentheim West Germany (Phone) 5922/72-0
DIAMOND M CO PO Box 4558 Houston TX 77210 713-490-5300
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DUAL OFFSHORE CO 600 City Natl Bldg PO Box 240 Wichita Falls TX 76307 817-723-2127
DYVI OFFSHORE A/S PO Box 454 Sentrum Oslo 1 Norway (02) 410100

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EGYPTIAN DRILLING CO PO Box 71 Nasr City Cairo Egypt 600-230
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GLENDEL DRILLING CO 2761 Old Erath Rd PO Box 765 Abbeville LA 70510 318-898-1637
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GOLDRUS MARINE DRILLING CO PO Box 4394 Houston TX 77210 713-759-6337
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GRIFFIN-ALEXANDER DRILLING CO 13430 Northwest Fwy Ste 100 Houston TX 77040 713-460-1804
HARRIS WELL SERV INC PO Drawer 949 Eunice LA 70535 318-457-3376
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HOULDER MARINE DRILLING LTD 53 Leadenhall St London EC3A 2BR England (01) 481-2020
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HOUTECH DRILLING 10701 Corporate Dr Ste 230 Stafford TX 77477 713-995-4438
HUTHNANCE DRILLING CO 601 Jefferson Houston TX 77002 713-659-4816
INTERNATIONAL CHANDLERS 1901 N Akard Cumberland Hill Dallas TX 75201 214-653-8700
INTEROCEAN DRILLING SA PO Box 2765 Houston TX 77001 713-871-7500

JAPAN DRILLING CO LTD No 11 Mori Bldg 6-4 Toranomon 2-chome Minatoku Tokyo Japan 501-7391
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J L OFFSHORE DRILLING INC 10575 Katy Fwy Ste 260 Houston TX 77024 713-492-2888
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KEYES OFFSHORE INC 1250 Shoreline Dr Ste 300 PO Drawer 7 Sugarland TX 77478 713-491-2002
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MAERSK DRILLING Esplanaden 50 DK-1098 Copenhagen Danmark 45-1-14-15-14
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MARINE DRILLING CO 900 CCNB Center South Corpus Christi TX 78411 512-884-8851
MARINE DRILLING SA 1901 N Akard Cumberland Hill Dallas TX 75201 214-653-8700
MARLIN DRILLING CO 1333 West Loop South Ste 780 Houston TX 77027-9178 713-627-1161
MAYRONNE CO PO Box 432 Harvey LA 70433 504-368-5911
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MGF DRILLING CO 2626 Richmond Ave Ste B Houston TX 77098 713-526-7236
MORAN DRILLING LTD 233 Benmar Houston TX 77060 713-820-1865
MORCO A/S PO Box 65 N-4056 Tananger Norway 04-696766
NATIONAL DRILLING CO PO Box 4017 Abu Dhabi UAE 820330
NICKLOS DRILLING CO 5200 Interfirst Plaza Houston TX 77022 713-658-8245
NOBLE DRILLING CORP 1924 S Utica Ste 600 Tulsa OK 74104 918-749-9901
NORDRILL INTL INC 7670 Woodway Ste 150 Houston TX 77063 713-974-0000

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ODFJELL DRILLING & CONSULTING CO A/S Kokstadflaten 5, N 5065 Blomsterdalen Norway 05-22 77 80 Telex: 42634 odccn/40507 odbas (856)
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PENROD DRILLING CO 2200 Thanksgiving Tower Dallas TX 75202 214-651-0187
PERFORACIONES ALTA MAR CA Apartado No 1841 Maracaibo Venezuela
PERFORADORA MEXICO SA Insurgentes 432 9th Floor Mexico City 7 Mexico D F
PHOENIX MANAGEMENT CORP 2925 Briarpark 5th Floor Houston TX 77042 713-784-2420
PLATFORM WELL SERV INC PO Box 53836 Lafayette LA 70505 318-237-5555

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READING & BATES DRILLING CO 901 Threadneedle Ste 200 PO Box 79627 Houston TX 77279 713-496-5000
REBSTOCK DRILLING CO 2601 Lexington Ave Kenner LA 70062 504-467-1321
RESOURCE DRILLING INC PO Box 4341 Houston TX 77210 713-871-8550
RICHTER DRILLING PTY LTD GPO Box 2197 Brisbane Qld 4000 Australia (07) 229-2544 Telex: AA40352 (790)
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RIO GRANDE DRILLING CO 2300 Tower Life Bldg San Antonio TX 78205 512-224-4572
ROSS DRILLING CO PO Box 265 3201 Sandefjord Norway 34-63481
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ROWAN INTL INC 5051 Westheimer 1900 Post Oak Tower Houston TX 77056 713-621-7800

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WHALEN DRILLING INC Rt B Box 390 W-2 Acadiana Regional Airport New Iberia LA 70560 318-364-6613
WILH WILHELMSEN Roald Amundsens Gate 5 Oslo 1 Norway
ZAPATA OFFSHORE CO Zapata Tower PO Box 4240 Houston TX 77210 512-226-6497

International Contract Offshore Drilling Rigs

AFRICA

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
ANGOLA							
Dyvi Offshore AS/Dyvi Gamma	JU	13.63	10	Nat 1320UE	200	350	Drilling
Forex Neptune and/or Affil/Trident IX	JU	13.63	10	G-D 1500E	217	400	Drilling
Global Marine Drlg/Glomar Adriatic I	JU	13.63	10	Nat 1625DE	250	300	Drilling
Global Marine Drlg/Glomar Adriatic II	JU	13.63	10	Nat 1625DE	250	300	Drilling
Reading & Bates/Douglas Carver	DS	20.00	10	Nat 1625DE	250	750	Drilling
Sedco Inc/Sedco 135G	SS	13.63	10	Olwl E3000	250	800	Drilling
Sedco Inc/Sedneth Luanda	JU	13.63	10	Nat 1320UE	200	200	Drilling
CABINDA							
Sedco Inc/Sedco 150	JU	13.63	5	C-E A800RE	100	150	Drilling
Sedco Inc/Sedco 251	JU	13.63	10	C-E C2	200	250	Drilling
CAMEROON							
Coeflor/Navifor I	T	16.75	5	Nat 1320UE	200	350	Drilling
Coeflor/Navifor II	T	13.63	5	Nat 1320UE	200	400	Standby
Diamond M/Barge 44	BP	13.63	5	Olwl E3000	250	18	Stacked
Diamond M/Diamond M Don E McMahon	JU	13.63	10	Olwl E2000	250	100	Drilling
Foramer/Ile de la Reunion	T	13.63	5	Nat 110DE	160	250	Drilling
Forex Neptune and/or Affil/Searex 2	T	11.00	10	G-D 500E	110		Drilling
Forex Neptune and/or Affil/Trident 7A	JU	13.63	10	G-D 1500E	217	132	Drilling
Western Oceanic/Western Polaris I	JU	13.63	10	Nat 1320UE	200	250	Drilling
CONGO							
Coeflor/Navifor III	T	16.75	5	Nat 1320UE	200	400	Drilling
Foramer/Ile de Re	T	16.75	5	Nat 1320DE	200	300	Drilling
Foramer/Ile de Sein	T	16.75	5	Nat 1320DE	200	400	Drilling
Reading & Bates/F G McClintock	JU	20.00	10	Olwl E3000	250	300	Drilling
EGYPT							
Dixilyn-Field Drlg/82	JU	13.63	5	Nat 1320UE	200	250	Drilling
Egyptian Drlg/EDC Rig 22	P	13.63	5	C-E WS1B	170		
Egyptian Drlg/4				Nat 110	130		
Foramer/Ile d'Amsterdam	JU	13.63	10	Nat 1320UE	200	300	Drilling
Forex Neptune and/or Affil/Trident 6	JU	13.63	10	G-D 1500E	217	300	Drilling
Global Marine Drlg/Glomar Adriatic VIII	JU	13.63	10	Nat 1625DE	250	300	Drilling
Global Marine Drlg/Glomar High Island II	JU	13.63	10	Nat 1320UE	200	250	Drilling
Interocean Drlg SA/Interocean III	JU	13.63	10	Nat 1320UE	200	300	Drilling
Japan Drlg/Hakuryu I	JU	13.63	5	Niigata N3000	135	110	Drilling
Ocean Drlg & Expl/Ben Ocean Typhoon	DS	13.63	5	Nat 1320UE	250	600	Drilling
Ocean Drlg & Expl/Ocean Tide	JU	13.63	10	Nat 1320DE	250	250	Drilling
Penrod Drlg/95	JU	13.63	10	Nat 1320UE	250	250	Drilling
Reading & Bates/E W Thornton	DS	20.00	5	Olwl E3000	255	600	Stacked
Reading & Bates/Roger W Mowell	JU	13.63	10	Nat 1625DE	250	300	Drilling
Reading & Bates/W D Tyson	JU	13.63	10	Nat 1625DE	250	300	Drilling
Saipem/5834	P	14.00	5	Idco E2100	200		Drilling
Saipem AG/Texas Star	JU	13.63	5	Nat 110UE	160	150	Workover
Santa Fe Drlg/Rig 105	JU	21.25	5	C-E C2	200	250	Drilling
Santa Fe Drlg/Santa Fe Mariner I	SS	16.75	5	Nat 1320UE	200	600	Drilling
Santa Fe Drlg/136	JU	13.63	10	Nat 1320UE	200	250	Drilling
Santa Fe Drlg/141	JU	13.63	10	Olwl E2000	200		Drilling
Sonat Offshore Drlg Inc Group/Discover 1/ Rig 22	T	12.00	3	Nat 80B	120	600	Drilling
Sonat Offshore Drlg Inc Group/Discoverer 511	DS	18.75	10	Idco E2100	200	2000	Stacked
Sonat Offshore Drlg Inc Group/Offshore Aquarius	JU	13.63	10	Olwl E2000	200	250	Drilling
Sonat Offshore Drlg Inc Group/Offshore Comet	JU	13.63	10	Nat 1320UE	200	250	Drilling
Western Oceanic/Western Triton I	JU	13.63	10	Nat 1320UE	200	250	Drilling
GABON							
Coeflor/Navifor Norse	DS	16.63	10	Nat 1320UE	200	600	Drilling
Dixilyn-Field Drlg/83	JU	13.63	10	Nat 1320UE	200	250	Stacked
Foramer/Asterie	SS	18.75	10	G-D 2100DE	250	800	Drilling
Foramer/Ile d'Ouessant	T	10.00	5	Idco H525	80	380	Workover
Foramer/Ile de la Martinique	T	16.75	5	Nat 1320DE	200	360	Drilling
Foramer/Shiloh	T	16.75	5	Nat 1320DE	200	450	Drilling
Forex Neptune and/or Affil/Neptune 7 Pentagone 81	SS	13.63	10	Nat 1320UE	240	680	Stacked
Forex Neptune and/or Affil/Pentagone 82	SS	18.75	10	C-E C3UE	200	1050	Stacked
Forex Neptune and/or Affil/Searex I	T	16.75	5	G-D 1100E	180		Drilling
Global Marine Drlg/Glomar High Island III	JU	13.63	10	Nat 1320UE	200	250	Drilling
Global Marine Drlg/Glomar Main Pass I	JU	13.63	10	Nat 1625DE	250	300	Drilling
Keydril/Key Gibraltar	JU	13.63	10	Olwl E2000	250	300	Drilling
Ocean Drlg & Expl/Ocean Ruler	JU	13.63	5	Nat 1625EU	250	250	Stacked
Transworld Drlg/46	S	13.63	5	C-E EDA460	200	70	Stacked
IVORY COAST							
J L Offshore/Dan Duke	JU	13.63	10	Nat 1320UE	200	300	Drilling
Southeastern Drlg Serv/Sedco J	SS	21.25	2	Olwl E3000	250	600	Drilling
LIBYA							
Saipem/Scarabeo 3	SS	18.75	10	Nat 1625	250	1300	Drilling
Saipem/Scarabeo 4	SS	18.75	10	Nat 1625	250	1300	Drilling
NIGERIA							
Atwood Oceanics Pacific/Richmond	S	20.00	2	Nat 1320UE	200	70	Drilling
Diamond M/Barge 45	BP	13.63	10	Olwl E3000	250	18	Drilling
Forex Neptune and/or Affil/Belle Isle	B	13.63	5	C-E 1500UE	217		Drilling
Forex Neptune and/or Affil/Lutece	B	13.63	5	Idco 2500E	254		Drilling
Forex Neptune and/or Affil/Neptune 1	JU	13.63	5	Nat 1625DE	240	257	Stacked
Forex Neptune and/or Affil/Trident IV-A	JU	13.63	10	G-D 2100E	254	300	Stacked
Forex Neptune and/or Affil/Trident 8	JU	13.63	10	G-D 1500E	217	300	Drilling

AFRICA (Cont'd)

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
NIGERIA (Cont'd)							
Keydril/Key Bermuda	JU	13.63	10	Olwl 2000	200	200	Drilling
Keydril/Key Largo	JU	13.63	10	Olwl E300	250	300	Drilling
Odfjell Drlg & Consulting/Amazone	JU						Drilling
Santa Fe Drlg/Swamp Master R-83	B	20.00	5	Idco 2500E	200	22	Stacked
Santa Fe Drlg/Swamp Queen R-84	B	20.00	5	Nat 1320	200	22	Stacked
Sedco Inc/Sedco 252	JU	13.63	10	Olwl E2000	200	250	Drilling
Sedco Inc/Sedco 253	JU	13.63	10	C-E C2	200	250	Drilling
Western Offshore Drlg & Expl/Mr Sage	JU	13.63	5	Nat 1320UE	200	200	Drilling
SENEGAL							
Santa Fe Drlg/Calabar Queen Rig 83	T	20.00	5	Idco E1200	120		Stacked
SOUTH AFRICA							
Sedco Maritime/Sedco K	SS	21.25	10	Olwl E3000	250	900	Drilling
TANZANIA							
Blocker Drlg & Marine/Vermilion Bay	B	13.63	10		300		Stacked
TUNISIA							
Global Marine Drlg/Glomar High Island VIII	JU	13.63	10	Nat 1320UE	200	250	Drilling
Sedco Inc/Sedco H	SS	18.75	10	Olwl 3000	250	800	Drilling
ZAIRE							
Keydril/Key Victoria	JU	13.63	5	Olwl E2000	200	250	Drilling

ASIA PACIFIC

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
AUSTRALIA							
Atwood Oceanics Pacific/Energy Searcher	DS	18.75	10	G-D 3000E	250	1500	Drilling
Atwood Oceanics Pacific/Regional Endeavour	DS	18.75	10	Nat 1320UE	200	1500	Drilling
Diamond M/Epoch	SS	16.75	10	Olwl E3000	300	1200	Drilling
Global Marine Drlg/Glomar Main Pass III	JU	13.63	10	Nat 1625DE	250	300	Drilling
Keydril/Key Biscayne	JU	13.63	5	Nat 1320UE	200	250	Drilling
Loffland Bros/95	P	13.63	5	MC U1220	200		Drilling
Maersk Drlg/Maersk Valiant							Drilling
Ocean Drlg & Expl/Ocean Digger	SS	18.75	10	C-E A1500	250	600	Drilling
Ocean Drlg & Expl/Ocean Prospector	SS	18.75	10	C-E C3 Type II	250	1000	Drilling
Richter Drlg Pty/10	P	13.63	5	Nat 110UE	180		Drilling
Richter Drlg Pty/12	P	13.63	5	Nat 110UE	180		Drilling
South Seas Drlg/Southern Cross	SS	18.75	10	Olwl E2000	200	1500	Drilling
BRUNEI							
Reading & Bates/Harvey H Ward	JU	13.63	10	Nat 1625	250	300	Drilling
Reading & Bates/I J Pierce	PT	20.00	5	Olwl 840E	180		Drilling
Reading & Bates/J W Nickle	PT	20.00	5	Olwl 840E	180		Drilling
Sedco Inc/Sedco 135-E	SS	20.00		Olwl 3000	250	600	Drilling
Southeastern Ocean Drlg/Sedco 135-A	SS	13.63	5	Olwl 3000	250	600	Drilling
BURMA							
Forex Neptune and/or Affil/Trident 1	JU	13.63	10	G-D 1500UE	217		Drilling
CHINA							
Global Marine Drlg/Glomar Java Sea	DS	18.75	10	Nat 1625DE	250	1000	Drilling
INDIA							
Atwood Oceanics Pacific/Gettysburg	B	18.75	10	Nat 1320	200	600	Drilling
Atwood Oceanics Pacific/Shenandoah	JU	13.63	10	C-E C2	200	300	Drilling
Dixilyn-Field Drlg/95	SS	18.75	10	Nat 1625DE	250	600	Drilling
Griffin-Alexander Drlg/G-A I	JU	13.63	10	MC EB1220	250	200	Drilling
Reading & Bates/J W Bates	DS	20.00	10	Nat 1320UE	200	600	Stacked
Reading & Bates/W T Adams	JU	13.63	10	Nat 1525E	250	300	Drilling
Sedco Intl SA/Sedco 445	DS	16.75	10	Olwl E3000	250	3000	Drilling
Western Oceanic/Western Triton II	JU	13.63	10	Nat 1320	200	250	Drilling
Zapata Offshore/Miss Kitty	JU	13.63	10	Nat 1625	250	300	Drilling
INDONESIA							
Atwood Oceanics Pacific/Margie	SS	18.75	10	Nat 1320	200	600	Drilling
Dual Offshore/Rig 32	JU	13.63	5	Olwl E2000	200	300	Drilling
Dual Offshore/Rig 42	JU	13.63	5	Olwl E2000	200	300	Drilling
Forex Neptune and/or Affil/Gavrinis (Rig 37)	B	13.63	5	Nat 110UE	217	25	Drilling
Forex Neptune and/or Affil/Izenah (Rig 38)	B	13.63	5	Nat 110UE	217	25	Drilling
Global Marine Drlg/Glomar Conception	DS	18.75	10	Nat 1625DE	250	600	Drilling
Global Marine Drlg/Glomar Robert F Bauer	DS	18.75	10	Nat 1625DE	250	2500	Drilling
Ocean Drlg & Expl/Ocean Hurricane	DS	16.75	10	Nat 1625	250	600	Stacked
Penrod Drlg/84	JU	13.63	10	Nat 1320UE	25	250	Drilling
Penrod Drlg/93	JU			Nat 1320UE	250	250	Drilling
Penrod Drlg/94	JU	13.63	10	Nat 1320UE	25	250	Drilling
Reading & Bates/Chris Seger	JU	29.50	10	Idco 2500	200	210	Drilling
Reading & Bates/D K McIntosh	JU	30.00	10	Nat 1320	200	250	Drilling
Reading & Bates/Dickson M Saunders	JU	20.00	5	Nat 80B	150	160	Stacked
Reading & Bates/J W McLean	JU	20.00	10	Nat 130	200	225	Drilling
Rowan Intl/Rowan Fairbanks	B	13.63	5	Nat 1320UE	250	20	Drilling
Santa Fe Drlg/Santa Fe Explorer	JU	20.00	5	MC U914	150	160	Drilling
Santa Fe Drlg/124	JU	13.63	5	Nat 1625DE	200	250	Drilling
Santa Fe Drlg/127	JU	13.63	5	Nat 1320UE	200	250	Drilling
Santa Fe Drlg/134	JU	21.25	10	Nat 1320UE	200	250	Drilling
Transocean Drlg/Transocean No 7	JU	13.63	10	C-E C3 Type II	250	300	Drilling
Western Oceanic/Apollo 1	JU	13.63	10	C-E C3	200	300	Drilling
Zapata Offshore/Enterprise (35)	JU			C-E C3 Type II			Drilling
Zapata Offshore/32	JU	13.63	10	Nat 1320	200	250	Drilling

ASIA PACIFIC (Cont'd)

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
JAPAN							
Dyvi Offshore AS/Dyvi Stena	SS	18.75	15	C-E C3	250	200	Under Construction
Japan Drlg/Hakuryu II	SS	20.75	5	C-E C311	300	656	Drilling
Japan Drlg/Hakuryu V	SS	18.75	10	C-E C311	300	1640	Drilling
JFP Well Serv/JFP Eleven	JU	13.38	10	Olwl E2000	300	350	Under Repair
Keydril/Key Hawaii	JU	13.63	10	Nat 1625DE	250	300	Under Construction
KOREA							
Houlder Marine Drlg/High Seas Driller	SS	18.75	15	Nat 1625E	250/ 5"	1500	Under Construction
Reading & Bates/Jim Cunningham	SS	18.75	10	Nat 1625DE	250	1500	Drilling
Santa Fe Drlg/135	SS	18.75	10	Olwl E3000	250	1500	Under Construction
Santa Fe Drlg/140	SS	18.75	10	Olwl E3000	250	1500	Under Construction
Sedco Inc/Sedco-712	SS	18.75	15	Olwl E3000	250	1500	Under Construction
Sedco Inc/Sedco-714	SS	18.75	15	Olwl E3000	250	1500	Under Construction
MALAYSIA							
Atlantic Drlg/Benlomond	DS	18.75	10	C-E C2	200	1000	En Route
Dolphin Titan Intl/140	T	13.63	10	Nat 1320UE	200	225	Drilling
Forex Neptune and/or Affil/Grand Large	T	13.63	5	G-D 1500UE	217	250	Drilling
Loffland Bros/46	P	13.63	5	MC U914CE	180		Stacked
Loffland Bros/47	P	13.63	5	MC U914	180		Drilling
Reading & Bates/Charley Graves	PT	20.00	10	Nat 1320UE	250		Drilling
Reading & Bates/D R Stewart	JU	13.63	10	Olwl E3000	250	300	Drilling
PHILIPPINES							
Penrod Drlg/74	SS	13.63	10	Nat 1625DE	300	1700	Stacked
SINGAPORE							
Atwood Oceanics Pacific/Chancellorsville	DS	18.75	10	C-E C2	200	1000	Drilling
Atwood Oceanics Pacific/Mission Viking	B	18.75	10	Nat 1625DE	200	600	Stacked
Atwood Oceanics Pacific/Shiloh	T	18.75	5	Nat 1320UE	200	400	Drilling
Global Marine Drlg/Glomar Adriatic IV	JU	13.63	10	Nat 1625DE	250	300	Under Construction
Global Marine Drlg/Glomar Grand Isle	DS	18.75	10	Nat 1025 DE	250	600	Stacked
Global Marine Drlg/Glomar Tender III	T	13.63	5	Nat 1625DE	250		Stacked
Houston Offshore Intl/Sabine V	JU	13.63	10	Nat 1320UE	200	200	Stacked
J L Offshore/Dan Queen	SS	18.75	10	Nat 1320UE	200	1000	Stacked
J L Offshore/Danwood Ice	DS	18.75	10	Nat 1320UE	200	1000	Stacked
Japan Drlg/Hakuryu III	SS	18.75	10	C-E C3111	300	1000	Undesignated
Japan Drlg/Hakuryu IV	JU	13.63	10	Nat 1625DE	250	295	Undesignated
JFP Well Serv/JFP Seven	JU	13.63	1	Olwl E2000	250	300	Stacked
Rowan Intl/Rowan-Morgan City (Fxd Ht)	B	13.63	5	Nat 1320UE	250	20	Stacked
Sonat Offshore Drlg Inc Group/Discoverer III	DS	16.75	5	Nat 1625	200	600	Stacked
Transworld Drlg/71	JU	13.63	10	C-E C3 Type II	250	250	Stacked
Western Oceanic/Western Pacesetter IV	SS	18.75	10	C-E C3 Type II	250	1500	Under Construction
Western Offshore Drlg & Expl/Western Offshore IV	B	16.75	5	Nat 1320DE	200	600	Stacked
Western Offshore Drlg & Expl/Western Offshore VII	B	16.75	5	G-D 2100RE	250	600	Stacked
TAIWAN							
Western Offshore Drlg & Expl/Western Offshore VIII	DS	16.75	5	Nat 1625DE	250	600	Drilling
THAILAND							
Great Eastern Drlg & Engrg/Eastern Princess	PT	13.63	5	C-E C2	250	400	Drilling
Great Eastern Drlg & Engrg/Eastern Queen	PT	13.63	5	C-E C2	250	400	Drilling
Great Eastern Drlg & Engrg/Seacrest	DS	18.75	10	Olwl E3000	250	105	Drilling
Reading & Bates/W D Kent	P	13.63	5	Nat 1320UE	250		Drilling

CANADA

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
UNDESIGNATED							
Canadian Marine Drlg/Canmar Explorer I	DS	18.75	10	Idco 2100E	250	600	Drilling
Canadian Marine Drlg/Canmar Explorer II	DS	18.75	10	Idco 2100E	250	600	Drilling
Canadian Marine Drlg/Canmar Explorer III	DS	18.75	10	Nat 1625DE	250	1500	Drilling
Canadian Marine Drlg/Canmar Explorer IV	DS	18.75	10	C-E C3	200	607	Drilling
Canadian Marine Drlg/CBIR #1	SS	20.75	3	C-E C3	250	26	Stacked
Canadian Marine Drlg/CBIR #2	SS	20.75	3	Nat 1625DE		26	Drilling
Global Marine Drlg/Glomar Labrador I	Oth	13.63	15	Nat 1625DE	250	300	Under Construction
Marine Drlg SA/Sedco 709	SS	16.75	10	Olwl E3000	250	6000	Drilling
Sedco Maritime/Sedco 706	SS	18.75	10	Olwl E3000	250	1300	Drilling
Smedvig Drlg/West Venture	SS	18.75	10	C-E 3C	300	1200	Drilling
Sonat Offshore Drlg Inc Group/John Shaw	SS	18.75	10	C-E C3 Type II	250	1500	Drilling
Underwater Gas Dev/Mr Neil	JU	10.00	3	Idco H525D	80	80	Stacked
Underwater Gas Dev/Telesis	DS	8.00	2	Nat T20	50	210	Drilling
Underwater Gas Dev/Timesaver II	JU	8.00	2	C-E GB250	50	100	Workover
NEWFOUNDLAND							
Zapata Offshore/Zapata Ugland	SS	13.63	10	Olwl E3000	250	600	Drilling
PRINCE EDWARD ISLAND							
Global Marine Drlg/Glomar High Island IX	JU	13.63	10	Nat 1320	200	250	Drilling
SABLE ISLAND							
Rowan Co/Rowan Juneaue	JU	13.63	15	Nat 1625	250	300	Drilling
Zapata Offshore/31	JU	13.63	15	Nat 1625DE	250	200	Drilling

CENTRAL AMERICA

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
MEXICO							
Perforaciones Alta Mar CA/Rig III	T			Nat 130	200		Drilling
Perforadora Mexico SA/D/B Reforma	DS	18.75		Nat 1625DE	250	600	Drilling
Perforadora Mexico SA/D/B Revolucion	DS	18.75	10	Nat 1625DE	250	600	Drilling
Perforadora Mexico SA/Reforma	DS	18.75	10	Nat 1625DE	250	600	Drilling
Perforadora Mexico SA/Revolucion	DS	18.75	10	Nat 1625DE	250	600	Drilling

EUROPE

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
UNDESIGNATED							
Wilh Wilhelmsen/Treasure Saga	SS						Under Construction
BELGIUM							
Foramer (Offshore Europe)/Petrel		18.75	10	Nat 1625DE	250	2000	Standby
DENMARK							
Dyvi Offshore AS/Dyvi Beta	JU	13.63	10	Nat 1320UE	200	350	Drilling
Dyvi Offshore AS/Dyvi Epsilon	JU	13.63	10	Nat 1320UE	200	210	Drilling
J L Offshore/Dan Earl	JU	13.63	10	Nat 1320UE	200	205	Drilling
Maersk Drlg/Maersk Endeavour							Drilling
Maersk Drlg/Maersk Explorer	JU	13.63	10	Nat 1320UE	250		Drilling
FRANCE							
Dyvi Offshore AS/STC Descartes	JU	13.63	10	Nat 1625E	200	350	Stacked
Foramer/Barracuda	T	16.75	5	Nat 1320DE	200	400	Under Construction
Ocean Drlg Serv/Sedco 601	SS	18.75	10	C-E C2	200	1500	Drilling
Sonat Offshore Drlg Inc Group/Discover Seven Seas	DS	18.75	10	C-E C3 Type II	250	6000	Drilling
GREECE							
J L Offshore/Dan Baron	DS	18.75	10	Idco E3000	200	1000	Stacked
IRELAND							
Diamond M/Diamond M Hunter	SS	18.75	10	Olwl E3000	300	1500	Drilling
Dyvi Offshore AS/Dyvi Alpha	SS	18.75	10	Nat 1625DE	250	1250	Drilling
Southeastern Drlg Serv/Sedco 704	SS	18.75	10	Olwl 3000	250	1500	Drilling
ITALY							
Chiles Drlg/Texas Star	JU	13.63	10	Nat 110UE	160	150	Under Repair
Foramer/Pelican	DS	13.63	10	Nat 1625DE	250	1100	Drilling
Global Marine Drlg/Glomar Grand Banks	DS	18.75	10	Nat 1625DE	250	600	Drilling
Maersk Drlg/Maersk Endurer	JU	13.63	10	Olwl E2000	200	250	Stacked
Maersk Drlg/Maersk Viking							Drilling
Penrod Drlg/58	JU	13.63	10	Nat 1625DE	300	210	Drilling
Reading & Bates/Mr Jack	JU	20.00	10	Olwl E3000	250	300	Drilling
Saipem/Perro Negro	JU	13.63	10	Idco PE2500	210	130	Drilling
Saipem/Saipem Due	DS	16.75	5	Nat 1625	250	1000	Drilling
Saipem/Scarabeo II	SS	18.75	10	Idco PE2500	210	600	Drilling
Saipem/53	P	13.63	5	Idco H525D	70		Stacked
Saipem/90	P	13.58	10	Idco E2100	250		Drilling
Somad-Sodint Marine Drlg/Perro Negro 2	JU	13.58	10	Olwl E2000	210	300	Drilling
Somad-Sodint Marine Drlg/Perro Negro 3	JU	13.58	10	Idco E2100	210	300	Under Construction
Sonat Offshore Drlg Inc Group/Offshore Taurus	JU	13.63	5	MC U1220BE	200	250	Drilling
MALTA							
Pacnorse Drlg/Pacnorse I	DS	18.75	10	C-E C3 Type II	300	5000	Stacked
Santa Fe Drlg/Mariner 2	SS	16.75	5	Nat 1320UE	200	600	Stacked
NETHERLANDS							
Deutsche Tiefbohr/T-38 D	M	11.00	10	Wils 75	130/ 3.5"		Workover
Dixilyn-Field Drlg/DF-87	JU	13.63	10	Nat 1320UE	250	300	Drilling
Dyvi Offshore AS/Dyvi Sigma	JU	13.63	10	Nat 1320UE	200	210	Drilling
Global Marine Drlg/Glomar Adriatic III	JU	13.63	10	Nat 1625DE	250	300	Drilling
Global Marine Drlg/Glomar Biscay I	SS	18.75	10	Olwl E3000	250	1500	Stacked
J L Offshore/Dan King	JU	13.63	10	Nat 1320UE	200	205	Drilling
Penrod Drlg/64	JU	13.63	10	Nat 1625DE	300	210	Drilling
Penrod Drlg/67	JU	13.63	10	Nat 1625DE	300	210	Drilling
Penrod Drlg/90	JU	13.63	10	Nat UE	300	210	Stacked
Penrod Drlg/81	JU	13.63	10	Nat 1320UE	250	210	Drilling
Rowan Intl/Cecil Provine	JU	13.63	10	Nat 1625	250	300	Drilling
Transocean Drlg/Transocean No 1	JU	11.00	10	C-E A1500E	200	140	Drilling
Transocean Drlg/Transocean No 2	JU	13.63	10	Nat 1625DE	200	150	Drilling
Transocean Drlg/Transocean No 4	JU	13.63	10	Nat 1320UE	250	180	Stacked
Transocean Drlg/Transocean No 6	JU	13.63	10	C-E C3 Type II	200	300	Stacked
Western Oceanic/Western Triton IV	JU	13.63	10	C-E C2	200	250	Stacked
Zapata Offshore/Zapata Nordic	JU	13.63	10	C-E C3 Type II	200	300	Drilling
NORWAY							
Dyvi Offshore AS/Dyvi Delta	SS	18.75	10	Olwl E3000	250	1500	Drilling
Golar-Nor Offshore AS/Neptuno Nordraug	SS	18.75	10	Nat 1625DE	200/ 5"	1000	Drilling
Golar-Nor Offshore AS/Nortrym	SS	18.75	10	Nat 1625DE	200	1000	Drilling
Intl Chandlers/Sedco PSSI	SS					1500	Maintenance
Morco AS/1/6 A	P	13.63	10	Nat 1320UE			Drilling
Morco AS/2/4 C	P	13.63	5	Olwl 940E			Workover
Morco AS/2/4 E	P	13.63	5	C-E C3			Workover
Morco AS/2/4 F	P	13.63	10	Nat 1320UE			Workover
Morco AS/2/7 C	P	13.63	5	MC U1220B			Workover
Morco AS/7/11-A	P	13.63	5	Idco E2100			Workover
Morco AS/2/7 A-10	P	16.75	5	Olwl 940E			Workover
Morco AS/2/7 A-32	P	16.75	5	Nat 110UE			Workover

EUROPE (Cont'd)

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
NORWAY (Cont'd)							
Morco AS/2/4 Alpha	P	13.63	5	C-E A1500E			Drilling
Morco AS/2/4 Bravo	P	13.63	5	C-E A1500E			Workover
Morco AS/2/4 Delta	P	13.63	5	C-E C2			Workover
Morco AS/2/7 Bravo	P	13.63	5	MC U1220EB			Workover
Odfjell Drlg & Consulting/Deepsea Bergen	SS	18.75	10	Nat 1625DE	250	1500	Drilling
Odfjell Drlg & Consulting/Deepsea Saga H-3	SS	18.75	10	Nat 1625DE	250		Stacked
Odfjell Drlg & Consulting/101 Statfjord "B"	SS	13.63	5	Nat 1320UE	250	1750	Drilling
Ross Drlg/Koldnes No 219 Ross Isle	Oth	18.75	10	Olwl E3000	250	1500	Under Construction
Ross Drlg/Neptuno Nordraug	Aker H3	18.75	10	Nat 1625DE	250	1000	Drilling
Ross Drlg/Ross Rig	Aker H3	18.75	10	Nat 1625DE	250	1250	Contracted
Smedvig Drlg/West Vanguard	SS	18.75	10	C-E 3000	250	1500	Drilling
Wilh Wilhelmsen/Treasure Scout	SS					2500	Drilling
Wilh Wilhelmsen/Treasure Seeker SS H-3	SS		15	C-E C3 Type II	250	1250	
Wilh Wilhelmsen/Treasure Swan	SS					2500	Drilling
PORTUGAL							
Sedco Inc/Sedco 472	DS	16.75	10	Olwl E3000	250	6000	Stacked
SPAIN							
KCA Drlg/MV Polly Bristol	DS	18.75	10	Nat 1625DE	250	3000	Drilling
Ocean Drlg & Expl/Ocean Endeavour	SS	18.75	10	C-E C3 Type II	250	1000	Drilling
Ocean Drlg & Expl/Ocean Voyager	SS	13.63	5	C-E C3 Type II	250	1200	Drilling
Sedco Inc/Sedco I	SS	16.75	5	Olwl E3000	250	1000	Production
Western Offshore Drlg & Expl/Western Offshore III	B	13.63	10	Nat 1320DE	200	600	Stacked
UNITED KINGDOM							
Atlantic Drlg/Bendoran Aker H-3	SS	21.25	2	Nat 1625DE	250	850	Drilling
Atlantic Drlg/Benurackie	SS	21.25	2	Nat 1625DE	250	850	Drilling
Atlantic Drlg/Ocean Benloyal	SS	13.63	10	Nat 1625DE		660	Drilling
Bawden Drlg (UK)/32	P	10.00	3	Olwl 700	90		Drilling
Bawden Drlg (UK)/34	P	13.63	5	Nat 1320UE	220		Drilling
Bawden Drlg (UK)/35	P	16.63	5	Nat 1320UE	200		Drilling
Bawden Drlg (UK)/39	P	13.63	5	Nat 1320UE	220		Drilling
Bawden Drlg (UK)/40	P	13.63	5	Nat 1320UE	200		Drilling
Bawden Drlg (UK)/41	P	13.63	5	Nat 1320UE	200		Drilling
Bawden Drlg (UK)/42	P	13.63	5	Nat 1320UE	220/ 5"		Drilling
Canmar Intl/Sovereign Explorer	SS	18.75	15	Nat 1625E	280	2000	Under Construction
Deutsche Tiefbohr/T-20	P	13.63	10	Nat 1320UE	180	480	Drilling
Deutsche Tiefbohr/T-21	P	13.63	10	Nat 1320UE	180	480	Drilling
Deutsche Tiefbohr/T-25	P	13.63	10	Nat 1320UE	180	510	Drilling
Dixilyn-Field Drlg/96	SS	18.75	10	Nat 1625	250	1200	Drilling
Dixilyn-Field Drlg/97	SS	18.75	10	C-E C1112	250	1200	Drilling
Dyvi Offshore AS/Dyvi Omega	SS	18.75	10	Olwl E3000	250	1500	Drilling
Forex Neptune and/or Affil/Drill Star	SS	18.75	15	Nat 1625DE	250	1500	Drilling
Forex Neptune and/or Affil/Pentagone 84	SS	13.63	10	G-D 3000E	240	660	Drilling
Global Marine Drlg/Glomar Biscay II	SS	18.75	10	Nat 1625DE	250	600	Drilling
Houlder Marine Drlg/Bay Driller	JU	18.63	5	Nat 80UE			Drilling
Houlder Marine Drlg/Shelf Driller	JU	13.63	10	Nat 1625E	250/ 5"	300	Stacked
Jebsens Offshore Drlg/Aladdin	SS	20.00	2	Olwl E3000	250	600	Completion
Jebsens Offshore Drlg/Ali Baba	SS	18.75	10	Nat	250	1000	Completion
Jebsens Offshore Drlg/Sinbad Saxon	SS	13.63	10	Olwl E3000	250	600	Drilling
Keydril/Galveston Key	JU	13.63	10	C-E C3	250	300	Stacked
Kingsnorth Marine Drlg/Dundee Kingsnorth Aker H-3	SS	18.75	10	Nat 1625DE	240		Drilling
Kingsnorth Marine Drlg/Kingsnorth UK Aker H-3	SS	18.75	10	Nat 1625DE	240		Drilling
KCA Drlg/51	P	13.63	5	Nat 1320UE	200		Drilling
KCA Drlg/52	P	13.63	5	Nat 1320UE	200		Drilling
KCA Drlg/53	P	13.63	5	Nat 1320UE	200		Under Construction
Loffland Bros/43	P	13.63	10	Idco E3000	200		Drilling
Loffland Bros/81	P	13.63	5	MC U1220EB	200		Drilling
Loffland Bros/82	P	13.63	5	MC U1220EB	200		Drilling
Loffland Bros/83	P	13.63	5	MC U1220EB	200		Drilling
Loffland Bros/34	P	13.63	5	MC U1220EB	200		Drilling
Ocean Drlg & Expl/Ocean Bounty	SS	16.75	10	C-E C3 Type II	250	1200	Stacked
Ocean Drlg & Expl/Ocean Kokuei	SS	13.63	10	C-E C3 Type II	250	600	Drilling
Ocean Drlg & Expl/Ocean Liberator	SS	18.75	10	Nat 1625DE	250	1000	Drilling
Ocean Drlg & Expl/Ocean Victory	SS	13.63	10	C-E C3 Type II	250	600	Drilling
Odfjell Drlg & Consulting/STC Cicero	JU	13.63	1	Nat 1620DE	250	285	Drilling
Penrod Drlg/85	JU	13.63	10	Nat 1320UE	250	250	Drilling
Penrod Drlg/92	JU			Nat 1320UE	250	220	Drilling
Reading & Bates/M G Hulme Jr	SS	18.75	10	Nat 1625	250	1500	Drilling
Rowan Intl/Arch Rowan	JU	13.63	10	Nat 1625	250	300	Stacked
Rowan Intl/Charles Rowan	JU	13.63	10	Nat 1625	250	300	Drilling
Rowan Intl/Gilbert Rowe	JU	13.63	10	Nat 1625	250	300	Drilling
Santa Fe Drlg/Britannia R-65	JU	20.00	10	Nat 1320DE	200	160	Drilling
Santa Fe Drlg/Rig 111/112 Thistle	P	21.75	5	Olwl 3000E	200		Drilling
Santa Fe Drlg/82	P	20.00	5	Nat 1320UE	200		Drilling
Sea Drlg Netherlands/Sedneth 701	SS	21.25	10	Olwl E3000	250	1500	Drilling
Sedco Inc/Sedco/BP-711	SS	13.63	15	Olwl E3000	250	1500	Drilling
Sonat Offshore Drlg Inc Group/Chris Chenery	SS	13.63	10	Nat 1625DE	250	600	Drilling
Southeastern Drlg Serv/Sedco 700	SS	21.25	10	Olwl E3000	250	1500	Drilling
Southeastern Drlg Serv/Sedco 703	SS	18.75	10	Olwl 3000	250	2000	Drilling
Southeastern Drlg Serv/Sedco 707	SS	21.25	2	Olwl E3000	250	2000	Drilling
Transworld Drlg/58	SS			C-E C3000	250	600	Production
Western Oceanic/Apollo II	JU	13.58	10	C-E C3	200	300	Drilling
Western Oceanic/Western Pacesetter I	SS	18.75		Nat 1625DE	250	600	Drilling
Western Oceanic/Western Pacesetter II	SS	18.75	10	Nat 1625DE	250	1200	Drilling
Western Oceanic/Western Pacesetter III	SS	18.75	10	C-E C311	250	1200	Stacked
WEST GERMANY							
Deutsche Tiefbohr/T-24		13.63	10	Nat 80BUE	130		Stacked

MIDDLE EAST

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
QATAR							
Forex Neptune and/or Affil/Trident II	JU	13.63	10	G-D 2100RE	254	350	Drilling
Santa Fe Drlg/Rig 103	JU	20.00	5	C-E C2	200	250	Drilling
SAUDI ARABIA							
Arabian Drlg/Arabdrill 2	T			Nat 110	190		Drilling
Arabian Drlg/AD 8	JU	13.63	5	Nat 110UE	190	150	Drilling
Loffland Bros/Ocean Master V/Rig 210	JU			MC U914EC	180	160	Drilling
Loffland Bros/Ocean Master VI/Rig 220	JU			MC U914EC	180	160	Drilling
Loffland Bros/Ocean Master VII/Rig 230	JU			MC U914EC	180	160	Drilling
Loffland Bros/Ocean Master VIII/Rig 240	JU			MC U914EC	180	160	Drilling
Loffland Bros/Oceanmaster III-R-150	JU	13.66	3	MC U712A	140	160	Stacked
Loffland Bros/Orville Fisher/Rig 183	P	13.63	5	MC U914C	180		Stacked
Maersk Drlg/Maersk Venturer							Drilling
Maersk Drlg/Maersk Voyager							Drilling
Reading & Bates/Ron Tappmeyer	JU	13.63	10	Olwl E3000	200	300	Drilling
Rowan Intl/Rowan Anchorage	JU	13.63	5	Nat 1320UE	250	225	Drilling
Rowan Intl/Rowan-New Orleans	JU	13.63	5	Nat 1324UE	250	225	Stacked
Sonat Offshore Drlg Inc Group/Jubilee	JU	13.63	5	C-E A1500E	200	200	Drilling
Sonat Offshore Drlg Inc Group/North Star	JU	13.63	5	Nat 1320DE	200	250	Drilling
Sonat Offshore Drlg Inc Group/Offshore Bahram	JU	13.63	5	Idco ED1200	120	200	Drilling
UNITED ARAB EMIRATES							
Atwood Oceanics Pacific/Bull Run	T	13.63	5	Nat 1320UE	200	400	Drilling
Atwood Oceanics Pacific/Williamsburg	PT	13.63	10	C-E C	200	500	Drilling
Foramer/Ile de France	JU	13.63	5	Nat 1625DE	250	200	Drilling
Foramer/Ile du Levant	JU	13.63	5	Nat 1320DE	200	150	Drilling
Foramer (Interdrill)/Tourmalines	JU	10.00	5	Nat 80B	120	100	Workover
Forex Neptune and/or Affil/Trident 5	JU	10.00	5	Idco E900	120	150	Workover
Forex Neptune and/or Affil/Trident-III	JU	13.63	5	G-D 2100E	254	300	Stacked
Japan Drlg/Hakuryu VI	JU	13.63	5	Nat 1320UE	200	180	Drilling
Japan Drlg/Hakuryu VII	JU	13.63	10	Nat 1320UE	200	150	Drilling
Japan Drlg/Hakuryu 8	JU	13.63	10	Nat 1320UE	200	186	Drilling
Loffland Bros/Ocean Master IV/Rig 180	JU	13.66	3	MC U914	180	110	Drilling
Maersk Drlg/Maersk Vanguard	JU	13.63	10	Olwl E2000	200/ 5"	300	Drilling
Maersk Drlg/Maersk Victory							Drilling
National Drlg/Al Ghallan	JU	13.63	5	Nat 1320UE	20	150	Drilling
National Drlg/Al Ittihad	JU	13.63	5	Nat 1320UE	200	150	Drilling
National Drlg/Al Yasat	JU	13.63	5	Nat 1320UE	200	150	Drilling
National Drlg/Diyina	JU	13.63	5	Nat 1320UE	200	150	Drilling
National Drlg/Junana	JU	13.63	10	Nat 1320UE	200	150	Drilling
National Drlg/Yemilah	JU	13.63	10	Nat 1320UE	200/ 5"	200	Drilling
Ocean Drlg Serv/Sedco 160	JU	13.63	10	C-E C2	250	160	Drilling
Ocean Drlg Serv/Sedneth II	JU	13.63	10	Olwl 3000E	250	200	Drilling
Ocean Drlg Serv/Sedneth 201	JU	13.63	10	C-E C2	250	200	Drilling
Ocean Drlg Serv/Sedneth 202	JU	13.63	10	C-E C2	250	200	Drilling
Ocean Drlg Serv/75	JU	13.63	5	Olwl 96	180	100	Drilling
Sonat Offshore Drlg Inc Group/Enterprise	JU	18.63	2	Nat 130			Drilling
Sonat Offshore Drlg Inc Group/Hustler	JU	12.00	5	C-E A550	100	90	Drilling
Sonat Offshore Drlg Inc Group/Offshore Antares	JU	10.00	5	Nat 130	120	115	Drilling
Sonat Offshore Drlg Inc Group/Offshore Jupiter	JU	13.63	5	C-E C1 Type II	160	130	Drilling
Sonat Offshore Drlg Inc Group/Offshore Mercury	JU	13.63	10	Nat 1320DE	200	250	Drilling
Sonat Offshore Drlg Inc Group/Rig 54	JU	13.63	5	Nat 130E	200	150	Drilling
Transocean Drlg/Transocean No 5	JU	13.63	10	Nat 1625	250	300	Drilling
Transworld Drlg/63	JU	13.63	5	C-E C3 Type II	250	250	Drilling
Western Oceanic/Apollo III	JU	13.63	10	C-E C3II	200	300	Drilling
Western Oceanic/Apollo IV	JU	13.63	10	C-E C350	200	400	Drilling
Western Offshore Drlg & Expl/Western Offshore V	B	16.75	5	Nat 1320DE	200	600	Stacked
Zapata Offshore/Bonito II	JU	13.63	10	Nat 1625	250	300	Drilling
Zapata Offshore/Chaparral	JU	13.63	10	Olwl 3000E	250	240	Drilling
Zapata Offshore/Heron	JU	13.63	10	Nat 1625DE	250	300	Drilling
Zapata Offshore/Topper II	JU	13.63	5	Nat 110UE	165	115	Drilling
Zapata Offshore/33	JU	13.63	10	Nat 1320	200	250	Drilling

NORTH SEA

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
UNDESIGNATED							
Ocean Drlg & Expl/Benloyal	SS					1100	Drilling

SOUTH AMERICA

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
ARGENTINA							
Reading & Bates/George H Galloway	JU	13.63	10	Nat 1625DE	250	300	Under Construction
Rio Colorado S A/Rio Colorado I	JU	13.63	5	Nat 1320UE	200	300	Drilling
BRAZIL							
Dolphin Titan Intl/141	P	13.63	5	MC U1220EB	250	300	Drilling
Forex Neptune and/or Affil/Neptune Gascogne	JU	13.63	10	Nat 1625UE	250	290	Drilling
Global Marine Drlg/Glomar High Island V	JU	13.63	10	Nat 1320UE	200	250	Drilling
Griffin-Alexander Drlg/G-A IV	JU	13.63	10	MC EB1220	250	200	Stacked
Interocean Drlg SA/Interocean Discoverer	DS	18.75	10	C-E C2 Type II	250	1500	Drilling
Interocean Drlg SA/Interocean II	JU	13.63	10	C-E C2	200	300	Drilling
Keydril/Key West	JU	13.63	10	C-E C3	250	350	Drilling
Maersk Drlg/Maersk Pioneer SS	SS	18.75	10	C-E C2 Type II	200		Drilling
Marlin Drlg/Marlin 14	JU	13.63	1	Nat 1625DE	250	150	Drilling
Ocean Drlg & Expl/Ocean Cyclone	DS	16.75	5	Nat 1625	250	800	Drilling
Ocean Drlg & Expl/Ocean Zephyr	SS	21.25	10	C-E C3 Type II	250	600	Drilling
Ocean Drlg & Expl/Zephyr II	SS	21.25	10	C-E C3 Type II	250	600	Drilling
Odebrecht Perfuracoes/Norbe I	JU	13.63	10	Nat 1320UE	250	300	Drilling
Penrod Drlg/59	JU	13.63	10	Nat 1625DE	300	220	Drilling

SOUTH AMERICA (Cont'd)

Contractor And • Rig Name or No.	Type	BOP Stack Size (ID)	BOP Stack Pressure Rating, 1,000 psi	Drawworks Make And Model	Rated Depth With 4½-in. Pipe, 100 ft.	Rated Water Depth,	Status
BRAZIL (Cont'd)							
Penrod Drlg/62	JU	13.63	10	Nat 1625DE	300	330	Drilling
Penrod Drlg/71	SS	13.63	10	Nat 1625	300	1000	Drilling
Penrod Drlg/72	SS	13.63	10	Nat 1625DE	300	300	Drilling
Penrod Drlg/75	SS	13.63	10	Nat 1625DE	300	2000	Drilling
Reading & Bates/C E Thornton	JU	20.00	10	DWS E3000	250	300	Stacked
Sedco Inc/Sedco 135-F	SS	13.63	10	Olwl 3000E	250	800	Production
Sedco Intl SA/Sedco 135-D	SS	16.75	5	Olwl 3000E	250	800	Production
Sonat Offshore Drlg Inc Group/Discover 534	DS	16.75	10	Nat 1625DE	250	3000	Drilling
Sonat Offshore Drlg Inc Group/Orion	JU	13.63	10	Nat 1320DE	200	275	Drilling
Transworld Drlg/61	SS	13.63	10	C-E A1500E	200	600	Production
Triangle Drlg/Norbe II	JU	13.63	10	Olwl 3000E	250	300	Drilling
Tropic Drlg/DS Tainaron	DS	18.75	10	Nat 1320UE	300	1000	Stacked
CHILE							
Diamond M/Magallanes	JU	13.63	5	Olwl E3000	250	150	Drilling
Diamond M/Nugget	JU	13.63	5	Olwl E3000	300	300	Drilling
TRINIDAD							
Dolphin Titan Intl/130	P	13.63	10	G-D 2100E	250		Drilling
Santa Fe Drlg/Bluewater No 3	SS	16.75	10	Nat 1625DE	250	600	Stacked
Skinner Marine Operations/Skinmar I	P	13.63	10	Olwl E2000	200	185	Stacked
Skinner Marine Operations/Skinmar IV	P	13.63	5	Olwl 840E	160	185	Stacked
Skinner Marine Operations/Skinmar V	P	13.63	5	Olwl 760E	120		Stacked
Skinner Marine Operations/Skinmar VI	P	13.63	5	Olwl 760E	120		Drilling
Skinner Marine Operations/Skinmar VII	P	13.63	5	Olwl 840E	160	88	Drilling
Well Services/6	P	13.63	6	Nat 80B	120		Drilling
Well Services/7	P	13.63	6	S/B 4210	80	85	Drilling
Well Services/10				Nat C125	140		Drilling
VENEZUELA							
Loffland Bros/R-71-WO	B			Idco H25			Drilling
Loffland Bros/V-101	B	6.00	5	Idco 711	100		Stacked
Loffland Bros/V-105	B	10.00	5	MC U914B	160		Drilling
Loffland Bros/V-114	B	10.00	5	MC U914C	180		Stacked
Perforaciones Alta Mar CA/Rig I	T			Nat 1625	200		Drilling
Santa Fe Drlg/Orinoco I (R132)	B	21.25	10	Olwl E2000	200	20	Stacked
Santa Fe Drlg/Reina Del Lago	B	12.00	3	Nat 80E	140	100	Drilling
Santa Fe Drlg/Rey Del Lago	B	12.00	3	Nat 80E	140	100	Drilling
Sonat Offshore Drlg Inc Group/Estrellita/T-27	JU	13.63	5	Nat 1320	100	150	Stacked
Sonat Offshore Drlg Inc Group/Polarcub/Lama	JU	12.00	5	Nat 110	150	100	Stacked
Sonat Offshore Drlg Inc Group/Rig 60/OV-1	JU	10.00	5	C-E A1100E	140	100	Stacked
Western Offshore Drlg & Expl/Western Offshore IX	DS	18.75	10	Nat 1625DE	250	750	Drilling

UNITED STATES

Contractor And • Rig Name or No.	Type	BOP Stack Size (ID)	BOP Stack Pressure Rating, 1,000 psi	Drawworks Make And Model	Rated Depth With 4½-in. Pipe, 100 ft.	Rated Water Depth,	Status
ALABAMA-MOBILE							
Atlantic Pacific Marine/10	B	13.63	10	Olwl E2000	250	20	Drilling
ALABAMA-MOBILE BAY							
Chiles Drlg/Seabee	JU	13.63	10	Nat 1625DE	250	250	Drilling
Penrod Drlg/202	S			Nat 1320UE	250		
ALASKA-UNDESIGNATED							
Rowan Co/Rowan Middletown	JU	13.63	10	Nat 1625		300	Stacked
Sedco Maritime/Sedco 708	SS	18.75	10	Olwl E3000	250	2000	Drilling
ALASKA-YAKUTAT							
Ocean Drlg & Expl/Ocean Odyssey	SS					1500	Drilling
CALIFORNIA-UNDESIGNATED							
Challenger Drlg/#30 EOS				Nat 1320DE	220		Drilling
CRC Mallard Well/35					100		Stacked
Diamond M/Diamond M Eagle	SS	18.75	10	Olwl E3000	300	2000	Drilling
Diamond M/Diamond M Falcon	SS	18.75	10	Olwl E3000	300	2000	En Route
Diamond M/Diamond M General	SS	18.75	10	Olwl E3000	300	1500	Drilling
JFP Well Serv/JFP Three	JU	13.63	10	Olwl E2000	250	300	Drilling
Ocean Drlg & Expl/Ben Ocean Lancer	DS	16.75	10	G-D 3000E	250	3000	Stacked
Penrod Drlg/73	SS			Nat 1625DE	300		
Penrod Drlg/96	JU			Nat 1320UE	250		
Santa Fe Drlg/Choctaw I	SS	18.75	10	Nat 1320UE	200	800	En Route
Sedco Maritime/Sedco 702	SS	21.25	10	Olwl E3000	250	1200	Drilling
CALIFORNIA-LOS ANGELES							
Keydril/Key Singapore	JU	13.63	10	Nat 1625	250	300	Drilling
CALIFORNIA-SANTA BARBARA							
Rowan Co/Rowan-Alaska	JU	13.63	10	Nat 1625DE	300	350	Drilling
CALIFORNIA-SANTA BARBARA CHNL							
Global Marine Drlg/Glomar Atlantic	DS	18.75	10	Nat 1625DE	250	2000	Drilling
Global Marine Drlg/Glomar Pacific	DS	16.75	10	Nat 1625DE	250	2000	Drilling
Global Marine Drlg/Glomar Platform I	P	13.63	5	Nat 110UE	160		Drilling
Global Marine Drlg/Glomar Platform II	P	13.63	5	Nat 110UE	160		Drilling
CALIFORNIA-SANTA MARIA BASIN							
Zapata Offshore/Zapata Concord	SS	18.75	10	Olwl E3000	250	2000	Drilling
FLORIDA-SANTA ROSA							
Atlantic Pacific Marine/12	B	13.63	5	Olwl E2000	250	13	Drilling
LOUISIANA-UNDESIGNATED							
Atlantic Pacific Marine/8	B	13.63	10	Olwl 2000	250	20	Stacked
Bokenkamp Drlg/Rig #1	P	13.63	10	Olwl E2000	250		Stacked
Bokenkamp Drlg/Rig #2	P	13.63	10	Olwl E2000	250		Drilling

UNITED STATES (Cont'd)

Contractor And • Rig Name or No.	Type	BOP Stack Size (ID)	BOP Stack Pressure Rating, 1,000 psi	Drawworks Make And Model	Rated Depth With 4½-in. Pipe, 100 ft.	Rated Water Depth,	Status
LOUISIANA-UNDESIGNATED (Cont'd)							
Bokenkamp Drlg/Rig #3	P	13.63	10	Olwl E2000	250		Stacked
Bokenkamp Drlg/Rig #4	P	13.63	10	Olwl E2000	250		Drilling
Broughton Drlg/Broughton II	JU	13.63	10	Olwl E3000	300	105	Stacked
Diamond M/Barge 14	B	10.00	5	C-E J1400	200	12	Stacked
Diamond M/Barge 26	B	10.00	5	Olwl 2000	200	12	Standby
Diamond M/Barge 40	B	10.00	5	Olwl 2000	250	12	Stacked
Diamond M/Century	SS	18.75	10	Olwl E3000	300	600	Drilling
Diamond M/Gem	JU	13.63	5	Olwl E3000	300	300	Under Repair
Diamond M/42	BP	10.00	5	Olwl 2000	250	15	Stacked
Diamond M/66	P	13.63	5	C-E A1500E	200		Stacked
Dolphin Titan Intl/101	JU	6.00	5	Idco H35D	150	10-70	Stacked
Dolphin Titan Intl/103	JU	10.00	5	Idco H35D	150	70	Stacked
Dolphin Titan Intl/104	JU	10.00	5	Idco H35D	150	70	Workover
Dolphin Titan Intl/123	P	13.63		Idco E1700	200		Stacked
Dolphin Titan Intl/124	P	13.63	5	C-E U1220EB	200		Stacked
Dolphin Titan Intl/126	P	13.63	5		250		Stacked
Dolphin Titan Intl/127	P	13.63	10	C-E C3 Type II	250		Stacked
Dolphin Titan Intl/142	P	13.63	10	C-E A1500	200		Stacked
Dolphin Titan Intl/143	T	13.63	10	C-E A100E	160		Stacked
Global Marine Drlg/Glomar Coral Sea	DS	18.75	10	Nat 1625DE	250	1500	Drilling
Global Marine Drlg/Glomar High Island I	JU	13.63	10	Nat 1320UE	200	250	Drilling
Global Marine Drlg/Glomar High Island IV	JU	13.63	10	Nat 1320UE	200	250	Drilling
Global Marine Drlg/Glomar High Island VI	JU	13.63	10	Nat 1320UE	200	250	Drilling
Global Marine Drlg/Glomar High Island VII	JU	13.63	10	Nat 1320UE	200	250	Drilling
Global Marine Drlg/Glomar Main Pass II	JU	13.63	10	Nat 1625DE	250	300	Drilling
Global Marine Drlg/Glomar Main Pass IV	JU	13.63	10	Nat 1625DE	250	300	Drilling
Harris Well Serv/16	B	7.16	5	MC U36A	100	12	Stacked
Helmerich & Payne Intl Drlg/90	P	13.63	5	Olwl E2000	200		Drilling
Helmerich & Payne Intl Drlg/91	P	13.63	5	Olwl 2000	200		Drilling
Helmerich & Payne Intl Drlg/100	P	13.63	10	Olwl E3000	300		Drilling
Livingston Oilwell Serv/5 Workover	B	6.00	5	Wils Mogul 42		10	Stacked
Livingston Oilwell Serv/11 Workover	P	2.50	5	Wils Super			Stacked
Livingston Oilwell Serv/14 Workover	B	6.00		Wils Super 38		10	Stacked
Livingston Oilwell Serv/16 Workover	P	2.50	5	Wils Super			Stacked
Livingston Oilwell Serv/18 Workover	B	7.06	5	Wils Mogul 42	80	12	Stacked
Livingston Oilwell Serv/20 Workover	B	2.50	5	Wils Super 38		10	Stacked
Livingston Oilwell Serv/903 Workover	P	2.50	5	Wils Super			Stacked
Livingston Oilwell Serv/22 (Drilling)	B	11.00	5	Wils Super Giant	120	12	Stacked
Loffland Bros/74	P	13.63	5	MC U1220BE	220		Drilling
Mayronne/M-142	P	13.63	5	S/B N12	160		Stacked
Mayronne/M-152	P	13.63	5	S/B N20	160		Stacked
Mayronne/M-162	P	13.63	10	Nat 1320UE	200		Stacked
Mayronne/M-172	P	13.63	10	Nat 1320UE	200		Stacked
Nicklos Drlg/27	P			Nat 110UE	160		Stacked
Nicklos Drlg/62	P			Olwl E2000	200		Drilling
Noble Drlg/Barge 3	B			Nat 1320UE	200		Stacked
Noble Drlg/Barge 4	B			Nat 160S	250		Stacked
Noble Drlg/PB-2	B			Olwl E3000	250		Stacked
Ocean Drlg & Expl/Ocean Chief	JU	13.63	5	C-E A1500	250	225	Stacked
Ocean Drlg & Expl/Ocean Driller	SS	13.63	10	C-E C2	250	600	Stacked
Ocean Drlg & Expl/Ocean Explorer	SS	13.63	5	C-E EDES	250	600	Stacked
Ocean Drlg & Expl/Ocean Leader	JU	13.63	5	Nat 130	250	175	Stacked
Ocean Drlg & Expl/Ocean Queen	SS	13.63	5	C-E A1500	250	1200	Stacked
Ocean Drlg & Expl/Ocean Star	JU	13.63	5	Nat 1320UE	250	175	Stacked
Ocean Drlg & Expl/Ocean 66	JU	13.63	5	C-E C3 Type I	250	120	Stacked
Ocean Drlg & Expl/Odeco Seven	S	13.63	5	Idco E2500	250	35	Stacked
Platform Well Serv/7	P	6.00	5	OIME 750	7500		Stacked
Platform Well Serv/8	P	10.00	5	OIME 750	7500		Stacked
Rowan Co/Rowan Louisiana	JU	13.63	10			300	Stacked
Sanders Drlg/1	B			C-E A800	140		Stacked
Sanders Drlg/2	B			S/B N12A	250		Stacked
Santa Fe Drlg/Swamp Chief R-86	B	13.63	5	Nat 110UE	160	22	Stacked
Service Equipment & Engrg/5	P	10.00		OIME 750	100		Stacked
Service Equipment & Engrg/6	P	10.00		OIME 750	100		Stacked
Service Equipment & Engrg/9	P	10.00		OIME 750	100		Stacked
Service Equipment & Engrg/10	P	10.00		OIME 750	100		Stacked
Service Equipment & Engrg/11	P	13.63	5	Idco E900	140		Stacked
Service Equipment & Engrg/12	P	13.63	500	Idco E900	140		Stacked
Sonat Offshore Drlg Inc Group/Offshore Pegasus	JU	10.00	5	Nat 110	160	125	Drilling
Teledyne Movible Offshore/Rig 20	JU	13.63	10	C-E C3	250	250	Stacked
Teledyne Movible Offshore/2	S	12.00		Nat 1625DE	250	70	Stacked
Teledyne Movible Offshore/3	S	13.63	10	C-E EDES	200	45	Stacked
Teledyne Movible Offshore/5	P	13.63	5	Nat 1320D	200		Stacked
Teledyne Movible Offshore/6	P	13.63	5	Nat 1320DE	200		Completion
Teledyne Movible Offshore/14	P	10.00	5	G-D RE500	80		Drilling
Teledyne Movible Offshore/17	JU	13.63	10	C-E 1C3	250	250	Stacked
Teledyne Movible Offshore/18	JU	13.63	10	MC U1220EB	250	250	Stacked
Teledyne Movible Offshore/19	JU	13.63	10	C-E 1C3	250	250	Stacked
Temple Drlg/Apache	JU	13.63	10	Olwl E3000	250	55	Drilling
Temple Drlg/Cheyenne	JU	13.63	10	Olwl E2500	250	200	Drilling
Temple Drlg/Comanche	JU	13.63	10	Olwl E2000	250	150	Drilling
Transworld Drlg/59	JU	13.63	5	Nat 1320UE	200	125	Stacked
Transworld Drlg/62	JU	13.63	10	C-E C3 Type II	250	300	Stacked
Transworld Drlg/64	JU	13.63	10	Olwl E3000	250	300	Stacked
Transworld Drlg/66	S	13.63	10	C-E C3 Type II	250	100	Stacked
Whalen Drlg/1	B	13.63	5	Nat 1320UE	250	12	Drilling
Zapata Offshore/Endeavour	JU	13.63	10	C-E CE3000E	200	215	Stacked
Zapata Offshore/Intrepid	JU	13.63	10	Unit U1220B	200	300	Stacked
Zapata Offshore/Rig 30	P			MC U1220EB			Stacked
LOUISIANA-ASSUMPTION							
Rebstock Drlg/4	B	13.63	5	Olwl 860	180	12	Drilling
LOUISIANA-BAYOU GAUCHE							
CRC Mallard Well/14	B	6.00	5	Wils 90	120	14	
LOUISIANA-BRETON SOUND							
Ocean Drlg & Expl/Ocean King	JU	13.63	10	Nat 1625	250	300	Drilling
Transworld Drlg/44	S	13.63	5	Idco 1350S	180	40	Drilling

UNITED STATES (Cont'd)

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
LOUISIANA-CAMERON							
CRC Mallard Well/Barge 3	B			Nat 55	90		Workover
Diamond M/Barge 16	B	13.63	5	Idco E2500	250	12	Drilling
Dixilyn-Field Drlg/50 Gulf of Mexico	B	10.00	5	Nat 130	250	8	Drilling
Eagle Offshore Drlg Serv/Eagle M-101	B	13.63	10	Olwl E3000	300	20	Drilling
Goldrus Marine Drlg/Goldrus Marine 1	B	13.63	10	Olwl 3000E	300	20	Drilling
Goldrus Marine Drlg/Goldrus Marine 2	B	13.63	10	Olwl 3000E	300	20	Stacked
Goldrus Marine Drlg/Goldrus Marine 4	B	13.63	10	Olwl 3000E	300	20	Stacked
Quarles Drlg/17	B	11.00	10	Nat 160E	250	20	Drilling
Savage Drlg/Ponca	JU	13.00	10	Nat 1320UE	250	150	Stacked
Two R Drlg/Two-16	B			C-E C3	250	12	Drilling
LOUISIANA-EAST CAMERON							
Booker Drlg/14	P	10.00	5	G-D 3000			Drilling
Chiles Drlg/Platform	P	13.63	10	Nat 1320UE	200		Drilling
Dixilyn-Field Drlg/85 Gulf of Mexico	JU	13.63	10	Nat 1320UE		200	Drilling
Huthnance Drlg/Vanguard II	JU	13.63	10	C-E U1220EB	250	300	Drilling
Marlin Drlg/Marlin No 1 Tender Type	P	13.63	5	Nat 1320DE	200		Drilling
Ocean Drlg & Expl/Ocean Champion	JU	13.63	10	Nat 1625DE	250	250	Drilling
LOUISIANA-EUGENE ISLAND							
Atlantic Pacific Marine/Ranger IV	JU	10.00	5	Olwl 660	90	73	Workover
Cactus Intl/103	P	13.63	5	Olwl E2000	250		Drilling
Diamond M/93	P	13.63	5	Nat 110	160		Drilling
Fluor Drlg Serv/Rig 63	P	13.63	10	Nat 1320UE	200		Drilling
Griffin-Alexander Drlg/G-A VII	JU	13.63	10	MC EB1220	250	250	Drilling
Keyes Offshore/Keyes - 300	JU	13.63	10	C-E C2	200	300	Drilling
Marine Drlg/J Storm VII	JU	13.63	10	Nat 1625M	250	377	Drilling
Marine Drlg/J Storm VIII	JU	13.63	10	Nat 1320	200	150	Drilling
Marine Drlg/J Storm XVII	JU	13.63	10	Nat 1320M	200	250	Drilling
Noble Drlg/24	P	13.63	10	Nat 1625DE	250		Drilling
Noble Drlg/30	P	13.63	10	G-D 1500E	200		Drilling
Ocean Drlg & Expl/Barge A	S	14.00	5	Idco 2500	250	70	Drilling
Ocean Drlg & Expl/John Hayward	S	10.00	5	C-E EDA	250	30	Drilling
Ocean Drlg & Expl/Mr Charlie	S	13.63	5	C-E EDES	250	40	Drilling
Ocean Drlg & Expl/Ocean Viking	SS	13.63	10	C-E A1500	250	600	Drilling
Penrod Drlg/31	P	13.63	10	Nat 110UE	165	300	Drilling
Penrod Drlg/40	B			Nat 1625DE	300		
Penrod Drlg/45	B			Nat 1625DE	300		
Penrod Drlg/88	JU	13.63	10	Nat 1320UE	250	250	Drilling
Reading & Bates/Leo M Clark	PT	13.63	10	Nat 110M	180		Drilling
Reading & Bates/63	P	13.63	10	Olwl E3000	250		Drilling
Rowan Co/Rowan Fort Worth	JU	13.63	10	Nat 1625	250	300	Drilling
Transworld Drlg/47	S	13.63	10	C-E A1500E	200	70	Stacked
Transworld Drlg/50	JU	13.63	5	Nat 55	120	70	Stacked
Transworld Drlg/65	S	13.63	10	C-E C3 Type II	250	70	Stacked
Transworld Drlg/72	S	13.63	10	Olwl E3000	250	100	Drilling
Zapata Offshore/Louisiana	S	13.63	5	Unit U1220BE	200	50	Drilling
LOUISIANA-EWING BANK							
Zapata Offshore/Zapata Lexington	SS	18.75	10	Olwl E3000	250	2000	Drilling
LOUISIANA-GALLIANO							
CRC Mallard Well/12	B	10.00	5	Wils 90	120	14	
LOUISIANA-GARDEN BANKS							
Dual Marine Drlg/23	P	13.58	10	Olwl E3000	250		Drilling
LOUISIANA-GRAND ISLAND							
Service Equipment & Engrg/4	P	10.00		OIME 500			Drilling
LOUISIANA-GRAND ISLE							
CRC Mallard Well/20	B	10.00	5	Wils 90	120	14	
Diamond M/94	P	13.63	5	Olwl E2000	200		Drilling
Livingston Oilwell Serv/4 Workover	P	2.50	5	Wils Super			Drilling
Livingston Oilwell Serv/8 Workover	P	2.50	5	Wils Super 38			Drilling
Livingston Oilwell Serv/12 Workover	P	2.50	5	Wils Super			Drilling
Livingston Oilwell Serv/15 Workover	P	2.50	5	Wils Super 38			Drilling
Marine Drlg/Stormdrill V	JU	13.63	10	Nat 130	200	115	Drilling
Nordrill Intl/Nordrill Falcon	JU	13.63	10	C-E C2	250	200	Drilling
Penrod Drlg/37	P	13.63	10	C-E C2	250	300	Drilling
Salen Protexa Drlg/Salenergy V	JU	13.63	10	MC U1220BE	200	250	Drilling
LOUISIANA-GREEN CANYON							
Ocean Drlg & Expl/Ocean Rover	SS	13.65	10	C-E C3 Type II	250	600	Drilling
LOUISIANA-GULF OF MEXICO							
Western Oceanic/Nike I	JU	13.63	10	Nat 1320	200	150	Drilling
LOUISIANA-HACKBERRY							
CRC Mallard Well/19	B	10.00	5	Wils 90	120	14	
LOUISIANA-HOPEDALE							
CRC Mallard Well/18	B	10.00	5	Wils 90	120	14	
LOUISIANA-HOUMA							
Loffland Bros/4	P	13.63	5	MC U1220BE	220		Stacked
Loffland Bros/17	P	13.63	5	MC U1220BE	220		Stacked
Loffland Bros/75	P	13.63	5	MC U1220BE	220		Stacked
Loffland Bros/78	P	13.63	5	MC U1220BE	220		Stacked
LOUISIANA-IBERIA							
CRC Mallard Well/Barge 4	B			Nat 80	110		Stacked
CRC Mallard Well/Barge 9	B			Wils 90	110		Stacked
CRC Mallard Well/Mallard 42	P	10.00		Wils 65	140		Stacked
CRC Mallard Well/Mallard 43	P	10.00		Wils 65	140		Stacked
CRC Mallard Well/44	P	10.00		Wils 65	140		Stacked
Glendel Drlg/Mr "A W" #4	B	13.63	10	S/B NE12	250	12	Drilling
Glendel Drlg/Mr Beldon #7	B	13.63	10	S/B NE12	250	20	Drilling
Loffland Bros/Barge 143	B	10.00	5	MC U1220	220		Stacked
LOUISIANA-IBERIA (Cont'd)							
Loffland Bros/Barge 153	B	10.00	5	Beth 1013	150		Stacked
Merit Drlg/3	B	13.63	10	Olwl E2000	250	20	Stacked
Nicklos Drlg/Mr John 21	B			Nat 130	200		Stacked
Phoenix Management/#3-The Mr Ray	B	10.63	10	G-D 2100E	300	8.5	Stacked
LOUISIANA-INTRACOASTAL CITY							
CRC Mallard Well/17	B	10.00	5	Wils 90	140	14	
LOUISIANA-JEFFERSON							
Rebstock Drlg/2	B	10.00	5	Nat N80	140	12	Stacked
Shank Drlg Dean/DS-I	B	10.00	5	Beth 10131500	180	10	Stacked
Two R Drlg/Two R-15	B			C-E C3	250	10	Completion
LOUISIANA-LA ROSE							
Blocker Drlg & Marine/Terrebonne Bay	B	13.63	5	OIME SL9E	200	12	Stacked
LOUISIANA-LAFOURCHE							
Booker Drlg/Rig No 170	P	10.00	5	G-D 500			Stacked
Booker Drlg/8	P	2.50	5	G-D 3000			Stacked
Booker Drlg/11	P	10.00	5	G-D 3000			Stacked
Booker Drlg/15	P	10.00	5	G-D 3000			Stacked
Booker Drlg/50	P	10.00	5	G-D 500			Stacked
Booker Drlg/60	P	10.00	5	G-D 500			Stacked
Booker Drlg/70	P	10.00	5	G-D 500			Stacked
Booker Drlg/80	P	10.00	5	G-D 500			Stacked
Booker Drlg/90	P	6.00	5	G-D 500			Stacked
Booker Drlg/110	P	10.00	5	G-D 500			Stacked
Booker Drlg/120	P	10.00	5	G-D 500			Stacked
Booker Drlg/130	P	10.00	5	G-D 500			Stacked
Booker Drlg/150	P	10.00	5	G-D 500			Stacked
Booker Drlg/160	P	10.00	5	G-D 500			Stacked
Booker Drlg/950	P	13.63	5	G-D 1000	100		Stacked
Booker Drlg/951	P	10.00	5	G-D 1000	80		Stacked
Booker Drlg/952	P	13.63	5	G-D 1000	80		Stacked
Goldrus Marine Drlg/Goldrus Marine 3	B	13.63	10	Olwl 3000E	300	20	Stacked
Houtech Drlg/Houtech JU-I	JU	11.25	10	G-D 700M	100	73	Drilling
Penrod Drlg/Barge 43	B			Nat 1320DE	250	12	Drilling
Penrod Drlg/Barge 48	B	13.63	10	Nat 1625DE	300	20	Drilling
Quarles Drlg/21	B	13.63	10	Olwl 940E	200	30	Drilling
Shank Drlg Dean/DS-2	B	10.00	5	Wils 150-2000	180	10	Drilling
Shank Drlg Dean/DS-3	B	10.00	5	Beth B3661	250	12	Drilling
Two R Drlg/22	B			C-E C3	300	10	Drilling
LOUISIANA-LAKE ARTHUR							
Resource Drlg/W M Keck Sr	B	13.63	5	Nat 160	200		Stacked
LOUISIANA-MAIN PASS							
Booker Drlg/20	P	6.00	5	G-D 500			Drilling
Booker Drlg/100	P	6.00	5	G-D 500			Drilling
Dolphin Titan Intl/122	P	13.63	5	Nat 110UE	160		Drilling
Griffin-Alexander Drlg/G-A II	JU	13.63	10	MC EB1200	250	200	Drilling
Griffin-Alexander Drlg/G-A III	JU	13.63	10	MC EB1200	250	250	Drilling
Noble Drlg/NN-1	JU			G-D 1500	200	12-45	Drilling
Noble Drlg/S-55	SS	13.63	10	Nat 1625DE	250	80	Stacked
Noble Drlg/26	P	13.63	10	Nat 1320UE	200		Drilling
Zapata Offshore/29	P	13.63	10	Olwl E2000	200		Drilling
LOUISIANA-MISSISSIPPI CANYON							
Noble Drlg/#31	P			Olwl E2000	200		Drilling
Penrod Drlg/34	P	13.63	10	Nat 110UE	165	300	Drilling
Zapata Offshore/Saratoga (27)	SS			Olwl E3000			Drilling
Zapata Offshore/Zapata Yorktown	SS	18.75	10	Olwl E3000	250	2000	Drilling
LOUISIANA-MORGAN CITY							
Reading & Bates/Rig 50	P	13.63	10	Nat 1320	180		Stacked
Rowan Intl/Barge 4	B	13.63	10	Nat 1625DE	300	22	Stacked
LOUISIANA-NEW IBERIA							
Temple Drlg/Tejas	B	13.63	10	Idco E3000	300	18	Stacked
LOUISIANA-ORLEANS							
Two R Drlg/Two R-10	B			Nat 1320M	200	10	Drilling
LOUISIANA-PLAQUEMINES							
Atlantic Pacific Marine/7	B	13.63	10	Olwl 2000	250	20	Drilling
Atlantic Pacific Marine/11	B	13.63	10	Olwl E2000	250	13	Drilling
Bay Drlg/Hebert	SS	10.00	5	C-E BL1013	165	10	Drilling
Bay Drlg/Matagorda Bay	SS	10.00	5	C-E BL3661	250	14	Drilling
Bay Drlg/St John	SS	10.00	5	Nat 1625M	250	11	Drilling
CRC Mallard Well/34		6.00			100		Workover
Glendel Drlg/Mr Carl #3	B	13.63	10	S/B NE12	250	12	Drilling
Houtech Drlg/Houtech JU-II	JU	11.25	10	G-D 700M	100	73	Drilling
Phoenix Management/Big Foot One	JU	10.63	10	G-D 2100E	250	85	Stacked
Rebstock Drlg/3	B	10.00	5	G-D 800	130	12	Stacked
Rio Grande Drlg/4	B	13.63	10	Nat 1320M	250	14	Stacked
LOUISIANA-PORT SULPHUR							
CRC Mallard Well/15	B	10.00	5	Wils 90	120	14	
LOUISIANA-QUEEN BESS ISLAND							
Diamond M/48	BP	13.63	10	Olwl E3000	300	18	Drilling
LOUISIANA-SABINE PASS							
Griffin-Alexander Drlg/G-A V	JU	13.63	10	MC EB1220	250	200	Stacked
Houston Offshore Intl/Sabine II	JU	13.63	10	Nat 1320UE	200	200	Stacked
Houston Offshore Intl/Sabine III	JU	13.63	10	Nat 1320UE	200	200	Stacked
Ocean Drlg & Expl/Ocean Traveler	SS	13.63	10	Nat 1625DE	250	600	Drilling
Rowan Co/Rowan Midland	SS	13.63	10	Nat 1625	250	600	Stacked
Salen Protexa Drlg/Salenergy I	JU	13.63	10	MC U1220EB	200	250	Stacked

UNITED STATES (Cont'd)

LOUISIANA-SHIP SHOAL

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Atlantic Pacific Marine/14	B	13.63	5	Olwl E2000	250	13	Drilling
Diamond M/41	BP	10.00	5	Olwl 2000	250	18	Drilling
Keyes Offshore/Keyes - 150	JU	13.63	10	C-E C1	160	150	Drilling
Livingston Oilwell Serv/17 Workover (Concentric)	P	2.50	5	Wils Super 38			Drilling
Marine Drlg/J Storm XIV	JU	13.63	10	Nat 1320	200	200	Drilling
Marlin Drlg/Marlin #9	P	11.00	10	Nat 610E	100		Drilling
Marlin Drlg/Marlin No 2	P	13.63	5	Nat 1320DE	200		Drilling
Ocean Drlg & Expl/Ocean Liberty	JU	10.00	5	Nat 80	120	80	Drilling
Ocean Drlg & Expl/Ocean Pride	JU	13.63	5	Nat 110	250	152	Drilling
Penrod Drlg/35	P	13.63	10	Nat 1320UE	165	300	Drilling
Penrod Drlg/80	JU	13.63	10	C-E C3	300	330	Drilling
Transworld Drlg/54	S	13.63	5	C-E B3661	200	175	Drilling
Zapata Offshore/Rig 8	P	13.63	5	C-E A1100E	150		Drilling

LOUISIANA-SOUTH MARSH

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Huthnance Drlg/Vanguard I	JU	13.63	10	MC U1220EB	250	300	Drilling

LOUISIANA-SOUTH MARSH ISLAND

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Penrod Drlg/87	JU			Nat 1320UE	250		
Penrod Drlg/89	JU			Nat 1320UE	250		
Penrod Drlg/90	JU			Nat 1320UE	250		
Penrod Drlg/201	S			Nat 1320UE	250		
Penrod Drlg/89 Mobil	JU	13.63	10	Nat 1625DE	300	330	Drilling

LOUISIANA-SOUTH PASS

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Booker Drlg/30	P	6.00	5	G-D 500			Drilling
Dolphin Titan Intl/102	JU	6.00	5	Idco H35D	150	70	Drilling
Dual Drlg/39	P	13.63	10	Olwl E3000	250		Drilling
Dual Marine Drlg/24	P	13.58	10	Olwl E2000	250		Drilling
Dual Offshore/12	P	13.58	10	C-E C2	250		Drilling
Helmerich & Payne Intl Drlg/101	P	13.63	5	Nat 110UE	200		
Huthnance Drlg/14	P	13.63	10	MC U1220	250		Drilling
Huthnance Drlg/15	P	13.63	5	MC U1220	250		Drilling
Penrod Drlg/38	P	13.63	10	Nat 1320UE	250	300	Drilling

LOUISIANA-SOUTH PELTO

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Atlantic Pacific Marine/Ranger III	JU	10.00	5	G-D DW500R	90	70	Workover

LOUISIANA-SOUTH TIMBALIER

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Booker Drlg/6	P	2.50	5	G-D 3000			Drilling
Chiles Drlg/Yucatan	JU	13.63	10	Nat 1625DE	300	300	Drilling
Diamond M Drlg/95	P	13.63	5	Olwl E2000	250		Drilling
Fluor Drlg Serv/Mr Dave #61	JU	13.63	10	Nat 1320UE	200	250	Stacked
Fluor Drlg Serv/Mr Si #60	JU	13.63	10	Nat C1625DE	300	350	Stacked
Keyes Offshore/Keyes - 301	JU	13.63	10	C-E 2000	160	300	Drilling
Marine Drlg/J Storm XI	JU	13.63	10	Nat 1320	200	200	Drilling
Ocean Drlg & Expl/Ocean Patriot	JU	13.63	10	Nat 1320ME	250	152	Drilling
Penrod Drlg/36	P	13.63	10	Nat 1320UE	300	300	Drilling
Reading & Bates/Geo M Reading	PT	13.63	10	Idco M2500	200		Drilling
Service Equipment & Engrg/7	P	10.00		OIME 750	100		Drilling

LOUISIANA-ST BERNARD

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Glendel Drlg/Mr George #8	B	13.63	10	G-D 3000	300	25	Stacked
Rebstock Drlg/Rig No 5	B	13.63	5	Nat 1320	200	24	Drilling
Two R Drlg/Two R-14	B			Wils 250	250	20	Completion

LOUISIANA-ST CHARLES

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Quarles Drlg/20	B	11.00	10	Idco E3000	250	18	Drilling

LOUISIANA-ST JOHN THE BAPTIST

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Quarles Drlg/18	B	11.00	10	G-D 800E	140	10	Drilling

LOUISIANA-ST MARTIN

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Challenger Drlg/38 EOS	P	13.63	5	Nat 110	180		Stacked
Diamond M/Rig 47	B	13.63	5	Olwl E3000	250	18	Drilling

LOUISIANA-ST MARY

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Atlantic Pacific Marine/9	B	13.63	10	Olwl E2000	250	20	Drilling
Bay Drlg/Gibbens	SS	10.00	5	Nat 130	180	10	Drilling
Bay Drlg/Mr Harvy	SS	10.00	5	Nat 1625M	250	12	Drilling
CRC Mallard Well/Barge 1	B			Wils 90	90		Workover
Whalen Drlg/2	B	13.63	10	Nat 1625DE	300	20	Drilling

LOUISIANA-ST TAMMANY

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Penrod Drlg/42	B			Nat 1625DE	300		

LOUISIANA-TERREBONNE

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Cliffs Drlg/2	B	13.63	10	MC U1220EB	300	7'6-18	Stacked
Cliffs Drlg/3	B	13.63	10	MC U1220EB	300	7'6-16	Drilling
Houtech Drlg/Houtech JU-III	JU	11.25	10	G-D 700M	100	73	Drilling
Loffland Bros/Barge 154	B	10.00	5	MC U1220	220		Stacked
Merit Drlg/5	B	13.63	10	Olwl E2000	250	20	Stacked
Nicklos Drlg/20 Mr E J	B			Nat 130	200	12	Stacked
Penrod Drlg/41	B			Nat 1625DE	300		Stacked
Penrod Drlg/49	B			Nat 1625DE	300		Stacked
Shank Drlg Dean/4	B			C-E C3	300	12	Drilling
Two R Drlg/Two R-1	B			Beth B3661	250	10	Drilling
Two R Drlg/Two R-12	B			Nat 1625UE	250	12	Drilling
Two R Drlg/Two R-16	B			C-E C3	250	12	Drilling
Two R Drlg/17	B			C-E CEC3	250	22	Completion
Two R Drlg/19	B			C-E C3	250	12	Drilling
Two R Drlg/2R21	B			C-E C3	250	12	Completion
Whalen Drlg/3	B	13.63	10	Nat 1625DE	300	20	Drilling

LOUISIANA-TIDEWATER

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Huthnance Drlg/Rig No 11	P	13.63	5	MC U1220	250		Stacked

UNITED STATES (Cont'd)

LOUISIANA-TIDEWATER DOCKS

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Huthnance Drlg/12	P	13.63	10	MC U1220	250		Stacked

LOUISIANA-TIMBALIER

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Houston Offshore Intl/Sabine IV	JU	13.63	10	Nat 1320UE	200	200	Drilling

LOUISIANA-VERMILION

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
CRC Mallard Well/Barge 7	B			Nat 55	110		Workover
CRC Mallard Well/45		10.00		Wils 65	80		Workover
Dixilyn-Field Drlg/84 Gulf of Mexico	JU	13.63	10	Nat 816MI	200	250	Drilling
Dolphin Titan Intl/129	P	13.63	10	C-E C3 Type II	250		Drilling
Glendel Drlg/Mr Glen #1	B	13.63	10	S/B NE12	250	12	Drilling
Griffin-Alexander Drlg/G-A VI	JU	13.63	10	MC EB1220	250	200	Drilling
Keyes Offshore/Keyes - 302	JU	13.63	10	C-E C2	200	300	Drilling
Map Drlg/1	B	7.06	5	Olwl 66	110	8	Drilling
Marine Drlg/J Storm XII	JU	13.63	10	Nat 1320	200	200	Drilling
Marlin Drlg/Marlin #10	P	11.00	10	Nat 610E	100		Drilling
Noble Drlg/PB-3	B			Nat 1625DE	250		Drilling
Noble Drlg/28				G-D 1500E	200		Drilling
Nordrill Intl/Nordrill Oiler	JU	13.63	10	C-E C2	250	200	Drilling
Ocean Drlg & Expl/St Louis	S	13.63	5	C-E EDES	250	30	Drilling
Penrod Drlg/Barge 47	B			C-E A1500E	250	16	Drilling
Penrod Drlg/54	JU	13.63	10	Nat 1625DE	300	300	Drilling
Quarles Drlg/22	B	11.00	10	Olwl E3000	300	23	Drilling
Quarles Drlg/23	B	13.63	10	Olwl E3000	300	28	Drilling
Salen Protexa Drlg/Totonaca	JU	13.63	10	MC U1220BE	200	250	Drilling
Two R Drlg/2R20	B			C-E C3	250	12	Drilling

LOUISIANA-VIOSCA KNOLL

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Diamond M/New Era	SS	18.75	10	Olwl E3000	300	1200	Drilling

LOUISIANA-WEST CAMERON

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Cactus Intl/104	P	13.63	5	C-E Electrohoist II	250		Drilling
Chiles Drlg/Gulf Wind	JU	13.63	10	Nat 1320UE	180	150	Drilling
Chiles Drlg/Platform II	P	13.63	10	Nat 1320UE	200		Drilling
Dixilyn-Field Drlg/D-F 61	P	13.63	5	Nat 1320UE	200	20000	Drilling
Dolphin Titan Intl/125	P	13.63	5	Nat 2320UE	250		Drilling
Fluor Drlg Serv/Mr Mel #59	JU	13.63	10	Nat C1625DE	300	350	Drilling
Houston Offshore Intl/Sabine I	JU	13.63	10	Nat 1320UE	200	200	Drilling
Huthnance Drlg/Charger I	JU	21.25	2	MC U1220EB	250	150	Drilling
Huthnance Drlg/Charger II	JU	13.63	10	MC U1220EB	250	150	Drilling
Marine Drlg/J Storm XV	JU	13.63	10	Nat 1625M	250	250	Drilling
Marlin Drlg/Marlin No 5	P	13.63	10	Nat 1320DE	200		Drilling
Penrod Drlg/82	JU	13.63	10	Nat 1320DE	250	250	Drilling
Penrod Drlg/83	JU	13.63	10	Nat 1320DE	250	250	Drilling
Penrod Drlg/203	S			Nat 1320UE	250		
Salen Protexa Drlg/Zapoteca	JU	13.63	10	MC U1220BE	200	250	Drilling
Western Oceanic/Western Triton III	JU	13.63	10	C-E C2	200	250	Drilling

LOUISIANA-WEST DELTA

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Booker Drlg/10	P	10.00	5	G-D 3000			Drilling
Booker Drlg/140	P	6.00	5	G-D 500			Drilling
CRC Mallard Well/46		13.63		Wils 65	125		Workover
Dixilyn-Field Drlg/76 Gulf of Mexico	S	13.63	5	S/B N12A	200	80	Stacked
Dixilyn-Field Drlg/80 Gulf of Mexico	JU	13.63	10	Nat 1320DE	200	370	Drilling
Dolphin Titan Intl/128	P	13.63	10	C-E C3 Type II	250		Drilling
Dual Offshore/16	P	13.58	5	Nat 1320UE	250		Drilling
Marine Drlg/J Storm IV	JU	13.63	10	Nat 1625M	250	250	Drilling
Marine Drlg/J Storm VI	JU	13.63	10	Nat 1625M	250	250	Drilling
Marine Drlg/J Storm XVI	JU	13.63	10	Nat 1320	200	250	Drilling
Reading & Bates/N J Guilbeau	P	13.63	10	Nat 1320	180		Drilling

MISSISSIPPI-UNDESIGNATED

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Marlin Drlg/Marlin No 6	JU	13.63	10	Nat 1625DE	300	300	Stacked
Marlin Drlg/Marlin No 7	SS	13.63	10	Nat 1625DE	300	1000	Stacked

MISSISSIPPI-PASCAGOULA

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Dixilyn-Field Drlg/77 Gulf of Mexico	S	13.63	10	Nat 1625DE	300	85	Under Repair

TEXAS-UNDESIGNATED

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
Atlantic Pacific Marine/Gulf Commander	JU	13.63	5	C-E A800WE	140	100	Stacked
Blocker Drlg & Marine/Trinity Bay	B	13.63	10	Idco E3000	300		Stacked
Broughton Drlg/Broughton I	JU	13.63	10	Olwl E3000	300	105	Drilling
Cactus Intl/101	P	13.63	5	C-E Electrohoist II	250		Stacked
Cactus Intl/102	P	13.63	5	C-E C2	250		Stacked
Cactus Intl/163	P	13.63	5	C-E Electrohoist II	250		Stacked
Cliffs Drlg/1	B	13.63	10	MC U1220EB	300	18	Stacked
Diamond M/Rig 99	JU	13.63	5	Olwl E3000	300	300	Drilling
JFP Well Serv/JFP Five	JU	13.63	10	Olwl E2000	250	300	Drilling
Keydril/Key Manhatten	JU	13.63	10	Nat 1625	250	300	Stacked
Livingston Oilwell Serv/24	B	11.00	5	Wils Super Giant	120	12	Stacked
Livingston Oilwell Serv/40 Hyd Snubbing	P	4.16	10	Hydra LHD135T			Stacked
Livingston Oilwell Serv/41 Hyd Snubbing	P	4.16	10	Hydra LHD135T			Stacked
Loffland Bros/78	P	13.63	5	MC U1220BE	220		Drilling
Loffland Bros/79	P	13.63	5	MC U1220BE	220		Drilling
Marine Drlg/J Storm X	JU	13.63	10	Nat 1320	200	250	Stacked
Marlin Drlg/Marlin 3	JU	13.63	10	Nat 1625DE	250	250	Drilling
Nicklos Drlg/81	P			Nat 1320UE	200		Drilling
Ocean Drlg & Expl/Gulftide	JU	13.63	10	Nat 1625DE	250	250	Stacked
Ocean Drlg & Expl/Ocean Scout	SS	13.63	10	C-E C3 Type II	250	600	Stacked
Ocean Drlg & Expl/Ocean Tempest	DS	16.75	10	Nat 1625DE	250	600	Stacked
Penrod Drlg/Barge 44	B			Nat 1625 DE	300	10	Stacked
Penrod Drlg/50	S	13.63	10	C-E A1500E	250	50	Stacked
Penrod Drlg/51	S	13.63	10	C-E A1550E	250	60	Stacked
Penrod Drlg/52	JU	13.63	10	Nat 1320	250	250	Stacked

UNITED STATES (Cont'd)

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
TEXAS-UNDESIGNATED (Cont'd)							
Penrod Drlg/53	JU	13.63	10	Nat 1625DE	300	300	Stacked
Penrod Drlg/55	JU	13.63	10	Nat 1625DE	300	150	Stacked
Penrod Drlg/56	JU	13.63	10	Nat 1625DE	300	150	Stacked
Penrod Drlg/57	JU	13.63	10	Nat 1625DE	300	150	Stacked
Penrod Drlg/63	JU	13.63	10	Nat 1320UE	250	250	Stacked
Penrod Drlg/70	SS	13.63	10	Nat 1625DE	300		Stacked
Penrod Drlg/86	JU	13.63	10	Nat 1320UE	250	250	Stacked
Penrod Drlg/85 Mobil	JU	13.63	10	C-E C3	300	210	Stacked
Penrod Drlg/86 Mobile	JU	13.63	10	Nat 1625DE	300	210	Stacked
Rowan Co/Rowan Odessa	JU	13.63	10	Nat 1625	250	300	Stacked
Rowan Co/Rowan-Texas	JU	13.63	10	Nat 1320UE	250	225	Stacked
Santa Fe Drlg/Blue Water No 2	S	13.63	10	Nat 1625DE	250	55	Stacked
Santa Fe Drlg/Blue Water No 4	SS	16.75	10	C-E C3	250	1500	Stacked
Santa Fe Drlg/Mariner 3	SS	16.75	10	Olwl E2000	200	600	Stacked
Sedco Underseas Drlg/Sedco 471	DS	16.75	10	Olwl E3000	250	6000	Stacked
Service Equipment & Engrg/14							Stacked
Teledyne Movible Offshore/4	P	13.63	5	Nat 110UE	180		Drilling
Teledyne Movible Offshore/16	JU	13.63	10	C-E C3	250	250	Completion
Transworld Drlg/73	S	13.63	10	Olwl E3000	250	100	Stacked
Western Oceanic/Alaskan Star	SS	16.75	10	C-E C3	250	1500	Stacked
TEXAS-ARANSAS							
Houston Offshore Intl/Nueces I	JU	13.63	10	Nat 1320UE	180	115	Drilling
Rio Grande Drlg/1	B	13.63	5	Nat 110M	180	14	Drilling
TEXAS-BRAZOS							
Cactus Intl/162	P	13.63	5	C-E A1500	250		Drilling
Cliffs Drlg/Jack-up #2	JU	13.63	10	Nat 1320UE	250	17/155	Drilling
Fluor Drlg Serv/Rig 62	P	13.63	10	Nat 1320UE	200		Drilling
Keyes Offshore/Keyes - 200	JU	13.63	10	C-E C2	200	200	Completion
Marine Drlg/J Storm XVIII	JU	13.63	10	Nat 1320M	250	250	Drilling
Noble Drlg/Sam Noble	JU			Olwl E3000	250		Drilling
Noble Drlg/29	P	13.63	10	Olwl E2000	200		Drilling
Nordrill Intl/Fjelldrill	JU	13.63	10	Nat 1625UE	250	250	Drilling
Zapata Offshore/Zapata Explorer	JU	13.63	10	Olwl 3000E	250	240	Drilling
TEXAS-CALHOUN							
MGF Drlg/31	B	10.00	5	Olwl 76	120	8-10	Drilling
TEXAS-CHAMBERS							
Dixilyn-Field Drlg/Barge 51	B	10.00	5	Nat 110		10	Drilling
TEXAS-EAST BREAKS							
Marlin Drlg/Marlin 15	P	13.63	1	Nat 1320DE	200		Drilling
Marlin Drlg/Marlin 16	P	13.63	1	Nat 1320DE	200		Drilling
Service Equipment & Engrg/15							Drilling
TEXAS-GALVESTON							
Atwood Oceanics Pacific/Vicksburg	JU	13.63	10	C-E C2	200	300	Drilling
CRC Mallard Well/Mallard 33		6.00			80		Workover
CRC Mallard Well/11	B	6.00	5	Wils 90	120	14	
Marine Drlg/J Storm I	JU	13.63	10	Nat 130	200	225	Stacked
MGF Drlg/37	B	6.00	5	G-D 500	90	8-10	Workover
Reading & Bates/Randolph Yost	JU	13.63	10	Olwl E3000	200	300	Drilling
TEXAS-GALVESTON BAY							
Cliffs Drlg/Cliffs LaSalle	JU	13.63	10	Nat 1320UE	250	17/135	Drilling
Cliffs Drlg/4	B	13.63	10	MC U1220EB	300	7'8-18	Drilling
TEXAS-GULF OF MEXICO							
Keydril/Aleutian Key	SS	18.75	10	Olwl E3000	250	3000	Drilling
Western Oceanic/Western Delta	JU	13.63	5	Nat 80UE	150	173	Drilling
TEXAS-HIGH ISLAND							
Cactus Intl/165	P	13.63	5	Olwl E2000	250		Drilling
Chiles Drlg/Gulfstream	JU	13.63	10	Nat 110UE	180	150	Workover
Dual Drlg/29	P	13.63	10	C-E C3	250		Drilling
Dual Rig 25 Ltd/25	P	13.58	10	Olwl E3000	250		Drilling
Noble Drlg/27	P	13.63	10	G-D 1100E	180		Drilling
Penrod Drlg/32	P			Nat 1320UE	250		
Penrod Drlg/61	JU	13.63	10	C-E C3	300	340	Drilling
Penrod Drlg/68	JU	13.63	10	Nat 1625DE	300	330	Drilling
Penrod Drlg/91	JU			Nat 1320UE	250		
Salen Protexa Drlg/Salenergy III	P	13.63	10	MC U1220EB	250		Drilling
Transworld Drlg/69	S	13.63	10	Olwl E3000	250	100	Drilling
Transworld Drlg/70	S	13.63	10	Olwl E3000	250	100	Drilling
TEXAS-HOUSTON							
Rowan Intl/Rowan-Houston		13.63	10	Nat 1325UE	250	225	Stacked
Skinner Marine Operations/Skinmar II	P	13.63	5	Olwl E2000	200	185	Stacked
Skinner Marine Operations/Skinmar III	P	13.63	5	Olwl E2000	200	185	Stacked
TEXAS-INGLESIDE							
Glendel Drlg/2-"Bob Werner"	JU	13.37	10	MC U914EC	180	110	Under Repair
Glendel Drlg/1-"Bill Bailey"	JU	13.37	10	MC U914EC	180	110	Under Repair
Moran Drlg/Morco II	JU	13.63	10	C-E C2	230	250	Stacked
TEXAS-JEFFERSON							
Phoenix Management/Big Foot Two	JU	10.63	10	G-D 2100E	250	85	Stacked
Phoenix Management/Rig #5-The Mr Ric	JU	13.63	10	G-D 2100E	200	100	Under Repair
TEXAS-KENEDY							
Marit Drlg/2	B	13.63	10	Olwl E2000	250	20	Drilling
TEXAS-MATAGORDA							
Dixilyn-Field Drlg/DF-86	JU	13.63	10	Nat 1320UE	200	200	Drilling
Keyes Offshore/Keyes - 250	JU	13.63	10	C-E C2	200	250	Completion

UNITED STATES (Cont'd)

Contractor And • Rig Name or No.	Type •	BOP Stack Size (ID) •	BOP Stack Pressure Rating, 1,000 psi •	Drawworks Make And Model •	Rated Depth With 4½-in. Pipe, 100 ft. •	Rated Water Depth •	Status •
TEXAS-MATAGORDA (Cont'd)							
Marine Drlg/J Storm III	JU	13.63	10	Nat 1625M	250	250	Drilling
Marine Drlg/J Storm IX	JU	13.63	10	Nat 1320	200	195	Drilling
Nordrill Intl/Nordrill Steeler	JU	13.63	10	C-E C3	250	200	Drilling
Reading & Bates/Rig 40	P	13.63	10	Nat 1625	180		Drilling
Rowan Co/Rowan Paris	JU	13.63	10	Nat 1625	250	300	Drilling
Service Equipment & Engrg/21	P	13.63	1	Idco 2100	2500		Drilling
Zapata Offshore/Rig 34	P			Idco E3000			Drilling
TEXAS-MATAGORDA ISLAND							
Noble Drlg/Ed Holt	JU			Olwl E3000	250		Drilling
Penrod Drlg/30	P			Nat 1320UE	250		
Service Equipment & Engrg/3	P	10.00		Cbot 1267			Drilling
TEXAS-MUSTANG ISLAND							
Diamond M/97	P	13.63	5	Olwl E2000	250		Drilling
Keyes Offshore/Keyes 303	JU	13.63	10	C-E C3	250	300	Drilling
TEXAS-NUECES							
Glendel Drlg/Mr Del #2	B	13.63	10	S/B NE12	250	20	Drilling
TEXAS-PORT O'CONNOR							
CRC Mallard Well/16	B	10.00	5	Wils 90	120	14	
TEXAS-SABINE PASS							
Fluor Drlg Serv/Mr Gus II #55	JU	13.63	5	Nat 160E	250	150	Stacked
Fluor Drlg Serv/Mr Sam #55	JU	13.63	5	G-D 1500RE	250	155	Stacked
Huthnance Drlg/Acadian Spirit	JU	13.63	10	C-E C2	250	112	Stacked
Marlin Drlg/Marlin 4	JU	13.63	10	Nat 1625DE	250	150	Stacked
Nordrill Intl/Gulfdrill	JU	13.63	10	C-E C3	250	150	Stacked
TEXAS-SAN PATRICIO							
CRC Mallard Well/Barge 5	B			Nat 80B	110		Stacked
TEXAS-TRINITY BAY							
Penrod Drlg/Barge 46	B	13.63	10	C-E ECB	200	16	Drilling
WASHINGTON-UNDESIGNATED							
Associated Marine Serv/La Ciencia	DS			HT	15	500	Drilling
WASHINGTON-EVERETT							
Associated Marine Serv/Heron	DS			HT	15	700	Drilling

AUCTION . . .

. . . WHO NEEDS IT?
YOU . . . IF YOU ARE:

1. Considering Retirement
2. Discontinuing Business
3. Dissolving Partnership or Corporation
4. Liquidating Joint Venture
5. Settling an Estate
6. Completing Project
7. Liquidating Surplus Equipment
8. "Just Plain Fed-Up"

WHAT ARE THE ADVANTAGES?

1. Sell for CASH to YOU!
2. Sell when YOU are ready!
3. Bring the buyers to YOUR market!
4. YOUR price determined by competitive bidding!
5. YOUR complete sale is over in a matter of hours!

YOU decide the time, place, and terms of the Sale.

Successful businessmen are continually letting the Proven Pros at Nelson help solve their problems! What about you?

For confidential consultation in the privacy of your office or ours contact:

BILL ARCHER – 214/561-1150

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NELSON INTERNATIONAL
DALLAS / TYLER / CALGARY

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